

Result No.	Score	Query Match	Length	DB	ID	Description
1	111	10.6	5208	3	US-08-781-891-70	Sequence 70, Appl
2	111	10.6	5208	3	US-09-791-211-11	Sequence 11, Appl
3	111	10.6	5208	4	US-09-618-166-70	Sequence 70, Appl
4	111	10.6	5208	4	US-09-949-001-3	Sequence 3, Appl
5	111	10.6	5365	3	US-09-949-001-9	Sequence 9, Appl
6	82.8	7.9	6476	3	US-09-127-670-5	Sequence 5, Appl
7	81.2	7.7	4792	3	US-08-781-891-205	Sequence 205, App
8	81.2	7.7	4792	4	US-08-781-166-207	Sequence 205, App
9	55.4	5.3	98844	3	US-09-791-211-10	Sequence 10, Appl
10	55.4	5.3	143776	4	US-09-949-001-29	Sequence 29, Appl
11	55.4	5.3	144034	4	US-09-949-001-35	Sequence 35, Appl
12	51.2	4.9	29604	3	US-08-781-891-207	Sequence 207, App
13	51.2	4.9	29604	4	US-09-618-166-207	Sequence 207, App
14	49.2	4.7	7218	1	US-08-232-463-14	Sequence 14, Appl
15	45.2	4.3	601	4	US-09-949-001-104	Sequence 104, App
16	45.2	4.3	601	4	US-09-949-001-560	Sequence 560, App
17	42.2	4.0	1141	4	US-09-806-708B-22	Sequence 22, Appl
18	40.8	3.9	13059	4	US-08-956-171E-220	Sequence 220, App
19	40.8	3.9	13059	4	US-08-781-986A-220	Sequence 220, App
20	40	3.8	580073	4	US-08-545-528D-1	Sequence 1, Appl
21	39.2	3.7	1499	3	US-09-300-672-3	Sequence 3, Appl
22	39.2	3.7	1500	3	US-09-300-672-1	Sequence 1, Appl
C 23	38.2	3.6	601	4	US-09-949-016-87979	Sequence 87979, A
C 24	38.2	3.6	670889	4	US-09-949-016-12505	Sequence 12505, A
C 25	38.2	3.6	670690	4	US-09-949-016-14207	Sequence 14207, A
26	38	3.6	601	4	US-09-949-016-27467	Sequence 27467, A
27	38	3.6	601	4	US-09-949-016-27468	Sequence 27468, A

Db 433 GATATTAGCATGAGTCTATCAGATGGGATGTGGTGGATTTTGACATGGAGTGGCCACCA 492  
Qy 456 AGTTTGTAGAAAAGGTGTTCTCCGGGAGAGTGGGACTGTCCAGATATGTGTAGATAGT 515  
Db 493 TTATACAAATAGAGGAAACT---TGGCAAAGTTGCACATAATTCAGTTGTGTGTTCTGAG 549  
Qy 516 AATTATTGTGATGTTATGCATATTTT---CATTTCTGTATCCCTCAAAGTCTCCAACAT 572  
Db 550 AGCAAAATGTTACTTGTTCACAGTTTCTTCCATGTGATGTTTCCCGGGAATTAATAATG 609  
Qy 573 CTTATTGAAGATTCAACACTTTGAAAGTAGGTATTTGGAATTTGATGGTGAATCTGTGAAG 632  
Db 610 TTGCTTGAATAAAGCAGTTTAAAGGCGAGTGTAGGAATTTGAAGGAGATCAGTGGAA 669  
Qy 633 CTTTTCATGACTATGGAGTTAGTATCAAGATGTTGAGGATCTTTGAGATTTAGCCAAAC 692  
Db 670 CTTCTACGTGACTTTGATATCAAAATGAAGAAATTTTGTGGAGTTGACAGATGTTGCCAAAT 729  
Qy 693 CAAAAAATTTGTGGAGATAAAAAATGGGCTTGCCTCACTAACTGAGACACTTTGTTGC 752  
Db 730 AAAAGCTGAATGTACAGAGCTTGGAGCTTAAACAGTCTGGTTAAACACCTCTTAGGT 789  
Qy 753 AAAGAGCTCTGAAAGCCAAACAGAAATCAGGCTTGGGAACTGGGAGTTTATCTCTGTCA 812  
Db 790 AAACAGCTCTGAAAGACAAGTCTATCCGCTGTAGCAATTTGAGTAAATTTCTCTCACT 849  
Qy 813 AAGCAGCTGTTACAAATAGCAGCAAGGATCTTATGCTTCATGGCATCTTTTCAAGGTT 872  
Db 850 GAGGACCAGAACTGTATGACGCCACTGATCTTATGCTGCTTTTATTTATTTACCGAAAT 909  
Qy 873 CTTAAGGACCTTCTGATGCTGT 895  
Db 910 TTAGAGATTTGGATGATACTGT 932

## RESULT 2

US-09-791-211-11  
; Sequence 11, Application US/09791211  
; Patent No. 6448080  
; GENERAL INFORMATION:  
; APPLICANT: Donna T. Ward  
; APPLICANT: Andrew T. Watt  
; TITLE OF INVENTION: ANTISENSE MODULATION OF WRN EXPRESSION  
; FILE REFERENCE: RTS-0205  
; CURRENT APPLICATION NUMBER: US/09/791,211  
; CURRENT FILING DATE: 2001-02-23  
; NUMBER OF SEQ ID NOS: 90  
; SEQ ID NO 11  
; LENGTH: 5208  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (232)...(4530)  
US-09-791-211-11

Query Match 10.6%; Score 111; DB 3; Length 5208;  
Best Local Similarity 54.1%; Pred. No. 1.3e-24;  
Matches 272; Conservative 0; Mismatches 225; Indels 6; Gaps 2;  
Qy 396 GATACCAAGAGAGATGAATCTGGAATAGCTTTTGTGGCTTGGATATTGAGTGGAGACCA 455  
Db 433 GATATTAGCATGAGTCTATCAGATGGGATGTGGGATTTGACATGGAGTGGCCACCA 492  
Qy 456 AGTTTGTAGAAAAGGTGTTCTCCGGGAGAGTGGGACTGTCCAGATATGTGTAGATAGT 515  
Db 493 TTATACAAATAGAGGAAACT---TGGCAAAGTTGCACATAATTCAGTTGTGTGTTCTGAG 549  
Qy 516 AATTATTGTGATGTATGCATATTTT---CATTTCTGTATCCCTCAAAGTCTCCAACAT 572  
Db 550 AGCAAAATGTTACTTGTTCACAGTTTCTTCCATGTGATGTTTCCCGGGAATTAATAATG 609  
Qy 573 CTTATTGAAGATTCAACACTTTGTAAGTAGGTATTTGGAATTTGATGGTGGTCTGTGAAG 632

Db 610 TTGCTTGAATAAAGCAGTTTAAAGGCGAGTGTAGGAATTTGAGGAGATCAGTGGAA 669  
Qy 633 CTTTTCATGACTATGGAGTTAGTATCAAGATGTTGAGGATCTTTGAGATTTAGCCAAAC 692  
Db 670 CTTCTACGTGACTTTGATATCAAAATGAAGAAATTTTGTGGAGTTGACAGATGTTGCCAAAT 729  
Qy 693 CAAAAAATTTGTGGAGATAAAAAATGGGCTTGCCTCACTAACTGAGACACTTTGTTGC 752  
Db 730 AAAAGCTGAATGTACAGAGACCTTGGAGCTTAAACAGTCTGGTTAAACACCTCTTAGGT 789  
Qy 753 AAAGAGCTCTGAAAGCCAAACAGAAATCAGGCTTGGGAACTGGGAGTTTATCTCTGTCA 812  
Db 790 AAACAGCTCTTGAAGACAAGTCTATCCGCTGTAGCAATTTGAGTAAATTTCTCTCACT 849  
Qy 813 AAGCAGCTGTTACAAATAGCAGCAAGGATCTTATGCTTCATGGCATCTTTTCAAGGTT 872  
Db 850 GAGGACCAGAACTGTATGACGCCACTGATCTTATGCTGCTTTTATTTATTTACCGAAAT 909  
Qy 873 CTTAAGGACCTTCTGATGCTGT 895  
Db 910 TTAGAGATTTGGATGATACTGT 932

## RESULT 3

US-09-618-166-70  
; Sequence 70, Application US/09618166  
; Patent No. 6583112  
; GENERAL INFORMATION:  
; APPLICANT: Fu, Ying-Hui  
; Oshima, Junko  
; Mulligan, John T.  
; Schellenberg, Gerald D.  
; TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO  
; WERNER'S SYNDROME  
; NUMBER OF SEQUENCES: 209  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Seed Intellectual Property Law Group  
; STREET: 701 Fifth Avenue, Suite 6300  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98104-7092  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/618,166  
; FILING DATE: 17-Jul-2000  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: McMasters, David D.  
; REGISTRATION NUMBER: 33,963  
; REFERENCE/DOCKET NUMBER: 240052.419C1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 622-4900  
; TELEFAX: (206) 682-6031  
; INFORMATION FOR SEQ ID NO: 70:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5208 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; SEQUENCE DESCRIPTION: SEQ ID NO: 70:  
US-09-618-166-70

Query Match 10.6%; Score 111; DB 4; Length 5208;  
Best Local Similarity 54.1%; Pred. No. 1.3e-24;  
Matches 272; Conservative 0; Mismatches 225; Indels 6; Gaps 2;

QY 573 CTTATTGAAGATTCAACACTCTGTAAAGGTAGGTATTGGAAATTGATGGTGACTCTGTGAAG 632  
 Db |||||  
 610 TTGCTTGAAATAAAGCAGCTTAAAGAGCAGGTGTAGGAATTTGAAGAGATCAGTGGAAA 669  
 QY 633 CTTTTCATGACTATGGAGTTAGTATCAAGAATGTTGAGGATCTTTTCAGATTTAGCCAAC 692  
 Db |||||  
 670 CTTCTACGTGACTTTTGATATCAAAATTGAAGAAATTTGTGGAGTTGACAGATGTTGCCAAT 729  
 QY 693 CAAAAAATTTGGTGGAGATAAAAAATGGGSCCTTGCTCACAATCGATCGTAAACACCTCTTAGCT 752  
 Db |||||  
 730 AAAAGCTGAATGTACAGAGACCTTGGAGCCTTAACAGTCTGGTTAAACACCTCTTAGCT 789  
 QY 753 AAAGAGCTCTGAAGCCAAACAGAATCAGGCTTGGGAACTGGGAGTTTATCTCTGTCA 812  
 Db |||||  
 790 AAACAGCTCTGAAAGACAAGTCTATCGCTGTAGCAATTTGGAGTAAATTTCTCTCACT 849  
 QY 813 AAGCAGCAGTTACNATACCAGCAAGGATGCTTATGCTTCATGCGATCTTTTACAAGTT 872  
 Db |||||  
 850 GAGGACCAAGAACTGTATGACGCCACTGATGCTTATGCTGGTTTATTATTACCAGAAAT 909  
 QY 873 CTTAAGGACCTTCCCTGATGCTGT 895  
 Db |||||  
 910 TTAGAGATTTTGGATGATACTGT 932

RESULT 5  
 US-09-949-001-9  
 ; Sequence 9, Application US/09949001  
 ; Patent No. 6825336  
 ; GENERAL INFORMATION:  
 ; APPLICANT: VENTER, J. Craig et al.  
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
 ; TITLE OF INVENTION: WITH OSTEOPOROSIS, METHODS OF DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CL000789  
 ; CURRENT APPLICATION NUMBER: US/09/949,001  
 ; CURRENT FILING DATE: 2003-01-15  
 ; PRIOR APPLICATION NUMBER: 60/231,323  
 ; PRIOR FILING DATE: 2000-09-08  
 ; NUMBER OF SEQ ID NOS: 848  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 9  
 ; LENGTH: 5365  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 US-09-949-001-9

Query Match 10.6%; Score 111; DB 4; Length 5365;  
 Best Local Similarity 54.1%; Pred. No. 1.3e-24;  
 Matches 272; Conservative 0; Mismatches 225; Indels 6; Gaps 2;

QY 396 GATACCAAGAGAGATGAATCTGGAAATAGCTTTTGTGGCTTGGATATTTAGTGTGAGACCA 455  
 Db |||||  
 434 GATATTAGCATCAGTCTATCAGATGGGATGTGGTGGGATTTGACATCGAGTGGCCACCA 493  
 QY 456 AGTTTTAGAAAAAGGTGTTCTCCCGGGGAAGGTTGGCACTGTGCCAGATATGTAGATAGT 515

494	TTATACAATAGAGGAAA	CT---TGGCAAAAGTTGCAC	TAAATTCAGTTGTGTTTCT	GAG	550
	Db				
516	AAATTAATGTGATGTT	TATGGATAATTTTT---CA	TTCTGGTATCCCTCAAA	GCTCCAA	572
	QY				
551	AGCAAAATGTTACT	TGTTCCAGTTTCTTCC	ATGTCAGTTTTTCC	CCGGGATTA	610
	Db				
573	CTTATTGAAGATT	CCAACATTGTAAAGT	TAGGTATTTGGAAT	TGATGGTGACTCT	632
	QY				
611	TTGCTTGAAAA	TAAAGCAGTTTAAAA	AGCGGTGTAGGAA	TTGAAGGAGATCAG	670
	Db				
633	CTTTTCCATGACT	ATGGAGTTAGTATCA	AAAGATGTTGAGGAT	CTTTTCAGATTTT	692
	QY				
671	CTTCTACGTGACT	TTTGTGATCAAA	TTGAAGAAATTTT	TGTGGAGTTTGA	730
	Db				
693	CAAAAAATTTG	TGGAGATAAAAA	ATGGGGCCCTTGC	CTCACTAACTGAGA	752
	QY				

Db 731 AAAAAAGCTGAAATGCACAGAGACCTGGAGCCTTAACAGCTCTGTTTAAACACCTCTTAGGT 790  
Qy 753 AAAGAGCTCTGAAGCCAAACAGATCAGGCTTGGAACTGGAGTTTATCTCTCTGCA 812  
Db 791 AAACAGCTCTGAAAGAACAGTCTATCCGCTGTAGCAATTTGGAGTAAATTTCCCTCTCACT 850  
Qy 813 AAGCAGCAGTTTACATACGACGACGACGATGCTTATGCTTCATGCGATCTTTTACAAGTTT 872  
Db 851 GAGGACCAAGAACTGATGACGACCTCATGCTTATGCTGCTTTTATTTATTTACCGAAT 910  
Qy 873 CTTAAGGACCTTCTGATGCTGT 895  
Db 911 TTAGAGATTTTGGATGACTGT 933

## RESULT 6

US-09-127-670-5  
; Sequence 5, Application US/09127670  
; Patent No. 6228593  
; GENERAL INFORMATION:  
; APPLICANT: Massachusetts Institute for Technology  
; APPLICANT: Leonard P. Guarente  
; APPLICANT: David A. Sinclair  
; APPLICANT: David B. Lombard  
; TITLE OF INVENTION: ASSAYS FOR COMPOUNDS WHICH EXTEND LIFE  
; FILE REFERENCE: MIT-7720pA  
; CURRENT APPLICATION NUMBER: US/09/127,670  
; CURRENT FILING DATE: 1998-07-31  
; EARLIER APPLICATION NUMBER: US 60/054,629  
; EARLIER FILING DATE: 1997-08-04  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 5  
; LENGTH: 6476  
; TYPE: DNA  
; ORGANISM: Murine  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (229)...(4432)  
US-09-127-670-5

Query Match 7.9%; Score 82.8; DB 3; Length 6476;  
Best Local Similarity 53.2%; Pred. No. 2.1e-15;  
Matches 199; Conservative 0; Mismatches 172; Indels 3; Gaps 1;  
Qy 481 GGAAGTTGCGAGTCTCCAGATATGTGTAGATAGTAAATTTATGATGTTATGCAATTT 540  
Db 494 GCAGAGTCGAGTGATCCAGTTGTGTGTCTGTAGAACAAATGTTACTGTTTTCACATTT 553  
Qy 541 TT--CATTCTGGTATCCCTCAAGTCTCCACATCTTATTGAAGATTCACACTTGTAA 597  
Db 554 CTTCCATGTCAAGTTTTCCTCCAGGATTAATAAATGTTACTAGAAACAAATCAATTAAGA 613  
Qy 598 AGGTAGGTATTGGAATGATGCTGCTGTGAAGCTTTTCATGACTATGGAGTTAGTA 657  
Db 614 AGGAGGGGTTGGGATGAGGGGACAGTGGAACTTCTCGTGATTTTGACGTCAAGT 673  
Qy 658 TCAAGATGTTGAGGATCTTTTCAAGATTTAGGCAACCAAAAAATTTGGTGAGATAAAAAAT 717  
Db 674 TGGAGATTTTGTGGAGCTGACGGATTTGCCAATGAAAGTTGAAGTGGCAGAGACCT 733  
Qy 718 GGGGCTTGCCTCACTAATGAGACACTTGTGTAAGAGCTCTTGAAGGCTCTGAAGCCAAACAGAA 777  
Db 734 GGAGCTCAATGGTCTGGTTAAACAGCTCTTAGGGAAACAACTTTTGAAGACAAAGTCCA 793  
Qy 778 TCAGGCTTGGGAACCTGGGAGTTTATCTCTGTCAAAGCAGCAGTTTCAATACGCGCAA 837  
Db 794 TCCGCTGCGCAATTTGGAGTAATTTCCCCCTCACTGAGGACGAGAACTGTATGAGCCA 853  
Qy 838 CGAGTCTTATGCT 851  
Db 854 CTGATGCTTATGCT 867

## RESULT 7

US-08-781-891-205  
; Sequence 205, Application US/08781891  
; Patent No. 6090620  
; GENERAL INFORMATION:  
; APPLICANT: Fu, Ying-Hui  
; APPLICANT: Yu, Chang-En  
; APPLICANT: Oshima, Junko  
; APPLICANT: Mulligan, John T.  
; APPLICANT: Schellenberg, Gerald D.  
; TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO  
; TITLE OF INVENTION: WERNER'S SYNDROME  
; NUMBER OF SEQUENCES: 209  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SEED AND BERRY LLP  
; STREET: 6300 Columbia Center, 701 Fifth Avenue  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98104-7092  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA: US/08/781,891  
; APPLICATION NUMBER: US/08/781,891  
; FILING DATE: 27-DEC-1996  
; CLASSIFICATION: 800  
; ATTORNEY/AGENT INFORMATION:  
; NAME: No. 6090620tenburg Ph.D., Carol  
; REGISTRATION NUMBER: 39,317  
; REFERENCE/DOCKET NUMBER: 240052.419  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 622-4900  
; TELEFAX: (206) 682-6031  
; INFORMATION FOR SEQ ID NO: 205:  
; SEQUENCE CHARACTERISTICS:  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 145..4347  
US-08-781-891-205

Query Match 7.7%; Score 81.2; DB 3; Length 4792;  
Best Local Similarity 52.3%; Pred. No. 5.5e-15;  
Matches 179; Conservative 0; Mismatches 163; Indels 0; Gaps 0;  
Qy 510 GATAGTAATTTATGTGATTTATGCATATTTTTCATTTCTGTATCCCTCAAGTCTCAA 569  
Db 442 GAGAGCAATGTTACTTGTGTTTTCACATTTCTTCCATGTCAGTTTTCCCGGAGTTAAA 501  
Qy 570 CATCTTATTGAAGATTCAACACTTCTAAAGTAGTATTGCAATTTGATGTCAGTCTGTG 629  
Db 502 ATGTTACTAGAAAAACAATCAATTAAGAACGACGGGTTGGGATTTGAAGGGGACCAAGTGG 561  
Qy 630 AAGCTTTTCCATGACTATGGAGTTAGTATCAAGATGTTGAGGATCTTTTCAGATTTAGCC 689  
Db 562 AACTTCTGCGTGAATTTTACGTCAGTTGAGAGTTTGTGGAGCTGACCGATGTTGCC 621  
Qy 690 AACCAAAAAATTTGGTGGAGATAAAAAATTTGGGCGCTTGCCTCACTAACGTGACACTTGT 749  
Db 622 AATGAAAGTTGAAAGTGCAGAGACCTGGAGCCTCAATGCTCTGTTGTTAAACACGCTCTTA 681  
Qy 750 TGCAAGAGCTCTTGAAGCCAAACAGATCAGGCTTGGAACTGGAGTTTATCTCTG 809  
Db 682 GGGAAACAACTTTTGAAGACAAAGTCCATCCGCTGCGAGCAATTTGGAGTAATTTTCCCTCTC 741

QY 810 TCAAGCAGCAGTTACATACGACGACGAGGATGCTTATGCT 851  
DB 742 ACTGAGGACCAAGAACTGTATGACCCACTGATGCTTATGCT 783

## RESULT 8

US-09-618-166-205  
; Sequence 205, Application US/09618166  
; Patent No. 6583112  
; GENERAL INFORMATION:  
; APPLICANT: Fu, Ying-Hui  
; Yu, Chang-En  
; Oshima, Junko  
; Mulligan, John T.  
; Schellenberg, Gerald D.  
; TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO  
; WERNER'S SYNDROME  
; NUMBER OF SEQUENCES: 209  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Seed Intellectual Property Law Group  
; STREET: 701 Fifth Avenue, Suite 6300  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98104-7092  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/618,166  
; FILING DATE: 17-Jul-2000  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Masters, David D.  
; REGISTRATION NUMBER: 33,963  
; REFERENCE/DOCKET NUMBER: 240052.419C1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 622-4900  
; TELEFAX: (206) 682-6031  
; INFORMATION FOR SEQ ID NO: 205:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4792 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 145..4347  
; SEQUENCE DESCRIPTION: SEQ ID NO: 205:  
US-09-618-166-205

Query Match 7.7%; Score 81.2; DB 4; Length 4792;  
Best Local Similarity 52.3%; Pred. No. 5.5e-15;  
Matches 179; Conservative 0; Mismatches 163; Indels 0; Gaps 0;  
QY 510 GATAGTATTATGATGTTATGATGATATTTTTCATCTGCTGATCCCTCAAGTCTCAA 569  
DB 442 GAGAGCAAAATGTTACTTGCTTTTTCATGTCAGTTCCTCCCGGAGGATTTAAA 501  
QY 570 CATCTTATTGAAGATTCAACACTTGTAAGGTAGTATTGGAATTTGATGGTGACTCTGTG 629  
DB 502 ATGTTACTAGAAACAATCAATTAAGAGGAGGGTTGGGATTTGAAGGGACCAAGTGG 561  
QY 630 AAGCTTTTCCATGACTATGAGGTAGTATCAAGATGTTGAGGATCTTTTCAGATTTAGCC 689  
DB 562 AAACCTTCGCGTGAATTTTGACGTCAAGTTGGAGAGTTTGTGGAGCTGACCGATGTTGCC 621  
QY 690 AACCAAAAATTTGGTGGAGATATAAAATTTGGGGCCCTTGCCCTCACTAACTGAGACACTTGT 749  
DB 622 AATGAAAAGTTGAAGTGGCGAGACACTTGGAGCCTCAATGCTGCTGGTTTAAACAGCTCTTA 681

QY 750 TCGAAAGAGCTCTGAAGCCAAACAGAAATCAGGCTTGGGAACTGGGAGTTTATCTCTG 809  
DB 682 GGGAAACAACTTTTGAAGAGACAAGTCCATCGCTGCAGCAATTTGGAGTAATTTCCCCCTC 741  
QY 810 TCAAGCAGCAGTTACAAATACGACGACGACGATGCTTATGCT 851  
DB 742 ACTGAGGACCAAGAACTGTATGACCCACTGATGCTTATGCT 783

## RESULT 9

US-09-791-211-10  
; Sequence 10, Application US/09791211  
; Patent No. 6448080  
; GENERAL INFORMATION:  
; APPLICANT: Donna T. Ward  
; APPLICANT: Andrew T. Watt  
; TITLE OF INVENTION: ANTISENSE MODULATION OF WRN EXPRESSION  
; FILE REFERENCE: RTS-0205  
; CURRENT APPLICATION NUMBER: US/09/791,211  
; CURRENT FILING DATE: 2001-02-23  
; NUMBER OF SEQ ID NOS: 90  
; SEQ ID NO 10  
; LENGTH: 98844  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: 24962  
; OTHER INFORMATION: unknown  
; NAME/KEY: unsure  
; LOCATION: 64383  
; OTHER INFORMATION: unknown  
; NAME/KEY: unsure  
; LOCATION: 65458  
; OTHER INFORMATION: unknown  
; NAME/KEY: unsure  
; LOCATION: 65469  
; OTHER INFORMATION: unknown  
; NAME/KEY: unsure  
; LOCATION: 65470  
; OTHER INFORMATION: unknown  
; NAME/KEY: unsure  
; LOCATION: 65471  
; OTHER INFORMATION: unknown  
; NAME/KEY: unsure  
; LOCATION: 87130  
; OTHER INFORMATION: unknown  
; NAME/KEY: unsure  
; LOCATION: 89049  
; OTHER INFORMATION: unknown  
; OTHER INFORMATION:  
US-09-791-211-10

Query Match 5.3%; Score 55.4; DB 3; Length 98844;  
Best Local Similarity 60.1%; Pred. No. 9.3e-06;  
Matches 92; Conservative 0; Mismatches 61; Indels 0; Gaps 0;  
QY 545 TTCGGTATCCCTCAAAGTCTCCAAATCTTATTGAAGATTCAACACTTGTAAAGGTAGG 604  
DB 45421 TACAGTTTTTCCCGAGGATTTAAAAATGTTGCTTTGAAAAATAAAGCAGTTAAAAAGGCAGG 45480  
QY 605 TATTGGAATTGATGGTGCTGCTCTGTGAAGCTTTTCCATGACTATGAGTTAGTATCAAAAGA 664  
DB 45481 TGTAGGAATTGAAGAGATCAGTGGAAACTTCTACGTGACTTTTGATATCAAAATTGAAGAA 45540  
QY 665 TGTTGAGGATCTTTTCAGATTTTAGCCAAACAAA 697  
DB 45541 TTTTGTGAGTTGACAGATGTTGCCAATAAAA 45573

## RESULT 10

US-09-949-001-29  
; Sequence 29, Application US/09949001

Patent No. 6825336  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH OSTEOPOROSIS, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL000789  
CURRENT APPLICATION NUMBER: US/09/949,001  
PRIOR FILING DATE: 2003-01-15  
PRIOR APPLICATION NUMBER: 60/231,323  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 848  
SOFTWARE: FastSeq For Windows Version 4.0  
SEQ ID NO 29  
LENGTH: 143776  
TYPE: DNA  
ORGANISM: Human  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(143776)  
OTHER INFORMATION: n = A,T,C or G  
US-09-949-001-29

Query Match 5.3%; Score 55.4; DB 4; Length 143776;  
Best Local Similarity 60.1%; Pred. No. 1.2e-05;  
Matches 92; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 545 TTCTGGTATCCCTCAAAGTCTCCACATCTTATTGAAGATTCAACACTGTGAAGGTAGG 604  
DB 33094 TACAGTTTTTCCCGAGGATTAAAAATGTTGCTTGAATAATAAGCAGTTAAAAAGGCAGG 33153

QY 605 TATTGGAATTGATGGTGACTCTGTGAAGCTTTTCCATGACTATGAGTTAGTATCAAAAGA 664  
DB 33154 TGTAGGAATTGAAGAGATCAGTGAAGACTCTAGTGACTTTGATATCAAAATGAAGAA 33213

QY 665 TGTGAGGATCTTTCAGATTTAGCCAAACCAAAA 697  
DB 33214 TTTTGTGGAGTTGACAGATGTTGCCAATAAAAA 33246

RESULT 11  
US-09-949-001-35  
Sequence 35, Application US/09949001  
Patent No. 6825336  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH OSTEOPOROSIS, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL000789  
CURRENT APPLICATION NUMBER: US/09/949,001  
PRIOR FILING DATE: 2003-01-15  
PRIOR APPLICATION NUMBER: 60/231,323  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 848  
SOFTWARE: FastSeq For Windows Version 4.0  
SEQ ID NO 35  
LENGTH: 144034  
TYPE: DNA  
ORGANISM: Human  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)..(144034)  
OTHER INFORMATION: n = A,T,C or G  
US-09-949-001-35

Query Match 5.3%; Score 55.4; DB 4; Length 144034;  
Best Local Similarity 60.1%; Pred. No. 1.2e-05;  
Matches 92; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 545 TTCTGGTATCCCTCAAAGTCTCCACATCTTATTGAAGATTCAACACTGTGAAGGTAGG 604  
DB 33094 TACAGTTTTTCCCGAGGATTAAAAATGTTGCTTGAATAATAAGCAGTTAAAAAGGCAGG 33153

QY 605 TATTGGAATTGATGGTGACTCTGTGAAGCTTTTCCATGACTATGAGTTAGTATCAAAAGA 664

DB 33154 TGTAGGAATTGAAGGAGATCAGTGGAAACTTCTACGTGACTTTGATATCAAAATGAAGAA 33213

QY 665 TGTGAGGATCTTTCAGATTTAGCCAAACCAAAA 697  
DB 33214 TTTTGTGGAGTTGACAGATGTTGCCAATAAAAA 33246

RESULT 12  
US-08-781-891-207  
Sequence 207, Application US/08781891  
Patent No. 6090620  
GENERAL INFORMATION:  
APPLICANT: Fu, Ying-Hui  
APPLICANT: Yu, Chang-En  
APPLICANT: Oshima, Junko  
APPLICANT: Mulligan, John T.  
APPLICANT: Schellenberg, Gerald D.  
TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO  
WERNER'S SYNDROME  
NUMBER OF SEQUENCES: 209  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,891  
FILING DATE: 27-DEC-1996  
CLASSIFICATION: 800  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 6090620tenburg Ph.D., Carol  
REGISTRATION NUMBER: 39,317  
REFERENCE/DOCKET NUMBER: 240052.419  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 207:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 29604 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-781-891-207

Query Match 4.9%; Score 51.2; DB 3; Length 29604;  
Best Local Similarity 56.5%; Pred. No. 9.6e-05;  
Matches 95; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 545 TTCTGGTATCCCTCAAAGTCTCCACATCTTATTGAAGATTCAACACTGTGAAGGTAGG 604  
DB 19789 TTTAGTTTTTCCCGAGGATTAAAAATGTTTACTAGAAAACAAATCAATTAAGAGGCAGG 19848

QY 605 TATTGGAATTGATGGTGACTCTGTGAAGCTTTTCCATGACTATGAGTTAGTATCAAAAGA 664  
DB 19849 GGTGGGATTGAAGGGGACAGTGAAGACTTCTGGTGATTTTGACGTCAGTTCGAGAG 19908

QY 665 TGTGAGGATCTTTCAGATTTAGCCAAACCAAAAATTCGTTGAGATAA 712  
DB 19909 TTTTGTGGAGCTGACGGATGTTGCCAATGAAAAAGGTAGGCGTAATAAA 19956

RESULT 13  
US-09-618-166-207  
Sequence 207, Application US/09618166  
Patent No. 6583112



```
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 104
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-001-104

Query Match      4.3%; Score 45.2; DB 4; Length 601;
Best Local Similarity 58.0%; Pred. No. 0.00064;
Matches 80; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

QY 712 AAAAATGGGCGCTTGCCCTCACCTAACTGACACACTTGTGTTGCAAGAGCTCCTGAAGCCAA 771
Db 306 AGACCTGGAGCCCTTAACAGTCTGGTTAAACACCTCTTAGGTAAACAGCTCCTGAAAGACA 365

QY 772 ACAGAAATCAGGCTTGGGAACCTGGGAGTTTATCCTCTGTCAAAGCAGCAGTTACAAATAG 831
Db 366 AGTCTATCCGCTGTAGCAATTGGAGTAAATTTCTCTCACTGAGGACCAGAACTGTATG 425

QY 832 CAGCAACGAGATGCTTATG 849
Db 426 CAGCCACTGATGCTTATG 443
```

Search completed: July 11, 2005, 09:36:55  
Job time : 224 secs



Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
1	352	23.6	1409	4	US-09-949-001-22		Sequence 22, Appl
2	352	23.6	1432	3	US-08-781-891-71		Sequence 71, Appl
3	352	23.6	1432	4	US-09-618-166-71		Sequence 71, Appl
4	352	23.6	1432	4	US-09-949-001-16		Sequence 16, Appl
5	339	22.7	1401	3	US-09-127-670-6		Sequence 6, Appl
6	330	22.1	1401	3	US-08-781-891-206		Sequence 206, App
7	330	22.1	1401	4	US-09-618-166-206		Sequence 206, App
8	175	11.7	186	4	US-09-270-767-32220		Sequence 32220, A
9	169.5	11.4	223	4	US-09-328-352-6289		Sequence 6289, Ap
10	94.5	6.3	858	4	US-09-248-796A-19082		Sequence 19082, A
11	93.5	6.3	661	4	US-09-248-796A-18480		Sequence 18480, A
12	93	6.2	2224	4	US-09-054-272-38		Sequence 38, Appl
13	93	6.2	3079	5	PCR-US94-00138-4		Sequence 4, Appl
14	92.5	6.2	375	4	US-09-270-767-43422		Sequence 42422, A
15	92.5	6.2	481	4	US-09-328-352-4475		Sequence 4475, Ap
16	91.5	6.1	1836	4	US-09-949-016-7432		Sequence 7432, Ap
17	89.5	6.0	260	4	US-09-270-767-33551		Sequence 33551, A
18	89.5	6.0	260	4	US-09-270-767-48768		Sequence 48768, A
19	89	6.0	930	3	US-09-134-001C-5314		Sequence 5314, Ap
20	89	6.0	930	4	US-09-386-962C-10		Sequence 10, Appl
21	87.5	5.9	1371	4	US-09-248-796A-14787		Sequence 14787, A
22	87.5	5.9	1375	3	US-09-722-139-2		Sequence 2, Appl
23	87.5	5.9	1375	3	US-09-721-832-2		Sequence 2, Appl
24	87.5	5.9	1375	4	US-09-721-689-2		Sequence 2, Appl
25	86.5	5.8	348	1	US-07-989-845-2		Sequence 2, Appl
26	86.5	5.8	348	5	PCR-US93-11298-2		Sequence 2, Appl
27	86.5	5.8	480	3	US-08-987-367-2		Sequence 2, Appl

APPLICANT: Mulligan, John T.  
APPLICANT: Schellenberg, Gerald D.  
TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO  
TITLE OF INVENTION: WERNER'S SYNDROME  
NUMBER OF SEQUENCES: 209  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104-7092

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/781,891  
FILING DATE: 27-DEC-1996  
CLASSIFICATION: 800

ATTORNEY/AGENT INFORMATION:  
NAME: No. 6090620tenburg Ph.D., Carol  
REGISTRATION NUMBER: 39,317  
REFERENCE/DOCKET NUMBER: 240052.419  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 71:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1432 amino acids  
TYPE: amino acid  
STRANDEDNESS: linear  
TOPOLOGY: linear

US-08-781-891-71  
Query Match 23.6%; Score 352; DB 3; Length 1432;  
Best Local Similarity 37.7%; Pred. No. 1.6e-29;  
Matches 75; Conservative 41; Mismatches 75; Indels 8; Gaps 3;  
QY 88 NPPAMRFGGRILYSKTATEVDKRAMQLIKVLTDRDESGIAFVGLDIEWRPSFRKGVLP 147  
DB 43 DLPFLEFTGSIVSYSDASDCSFLSE-----DISMSLSGDGVGVGDMWPPLYNRGKL-G 95  
QY 148 KVATVOICVDSNYCDVMHIFHSGI-POSLOHLIEDSTLVKVGIGIGIDGDSVKLFHDYGVSI 206  
DB 96 KVALIQLCVSESKCYLFHVSSMSVFPQGLKMLLENKAVKAGVIGEGDQWKLLRDFDIKL 155  
QY 207 KDVEDLSLANOKIGGDKWGLASLTETLVCKELKPNRIRLGNWFEYPLSKQQLQYAAAT 266  
DB 156 KNFVELTDVANKKLCCTETWSLSNLVKKHLLGKQLLKDKSIRCSNWSKFPLETEDQKLYAAT 215  
QY 267 DAYASWHLYKVKLPDPAV 285  
DB 216 DAYAGFIYRNLEILDITV 234

RESULT 3  
US-09-618-166-71  
Sequence 71, Application US/09618166  
Patent No. 6583112

GENERAL INFORMATION:  
APPLICANT: Fu, Ying-Hui  
Yu, Chang-En  
Oshima, Junko  
Mulligan, John T.  
Schellenberg, Gerald D.  
TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO  
NUMBER OF SEQUENCES: 209  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed Intellectual Property Law Group  
STREET: 701 Fifth Avenue, Suite 6300

CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/618,166  
FILING DATE: 17-Jul-2000  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Mcmasters, David D.  
REGISTRATION NUMBER: 33,963  
REFERENCE/DOCKET NUMBER: 240052.419C1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 71:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1432 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear

US-09-618-166-71  
Query Match 23.6%; Score 352; DB 4; Length 1432;  
Best Local Similarity 37.7%; Pred. No. 1.6e-29;  
Matches 75; Conservative 41; Mismatches 75; Indels 8; Gaps 3;  
QY 88 NPPAMRFGGRILYSKTATEVDKRAMQLIKVLTDRDESGIAFVGLDIEWRPSFRKGVLP 147  
DB 43 DLPFLEFTGSIVSYSDASDCSFLSE-----DISMSLSGDGVGVGDMWPPLYNRGKL-G 95  
QY 148 KVATVOICVDSNYCDVMHIFHSGI-POSLOHLIEDSTLVKVGIGIGIDGDSVKLFHDYGVSI 206  
DB 96 KVALIQLCVSESKCYLFHVSSMSVFPQGLKMLLENKAVKAGVIGEGDQWKLLRDFDIKL 155  
QY 207 KDVEDLSLANOKIGGDKWGLASLTETLVCKELKPNRIRLGNWFEYPLSKQQLQYAAAT 266  
DB 156 KNFVELTDVANKKLCCTETWSLSNLVKKHLLGKQLLKDKSIRCSNWSKFPLETEDQKLYAAT 215  
QY 267 DAYASWHLYKVKLPDPAV 285  
DB 216 DAYAGFIYRNLEILDITV 234

RESULT 4  
US-09-949-001-16  
Sequence 16, Application US/09949001  
Patent No. 6825336

GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH OSTEOPOROSIS, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CLO00789  
CURRENT APPLICATION NUMBER: US/09/949,001  
CURRENT FILING DATE: 2003-01-15  
PRIOR APPLICATION NUMBER: 60/231,323  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 848  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 16  
LENGTH: 1432  
TYPE: PRT  
ORGANISM: Human  
US-09-949-001-16  
Query Match 23.6%; Score 352; DB 4; Length 1432;  
Best Local Similarity 37.7%; Pred. No. 1.6e-29;

RESULT 6  
US-08-781-891-206  
; Sequence 206, Application US/08781891  
; Patent No. 6090620  
; GENERAL INFORMATION:  
; APPLICANT: Fu, Ying-Hui  
; APPLICANT: Yu, Chang-En  
; APPLICANT: Oshima, Junko  
; APPLICANT: Mulligan, John T.

```
;
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed Intellectual Property Law Group
; STREET: 701 Fifth Avenue, Suite 6300
; CITY: Seattle
```

Query Match 6.3%; Score 94.5; DB 4; Length 858;  
Best Local Similarity 22.8%; Pred. No. 0.37; Gaps 8;  
Matches 45; Conservative 32; Mismatches 93; Indels 27;

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Db 184 SQASVSLPPTVOAFHSMHESASNDTSATNTTQKQKQKRLSVTSNTGENELKQLA 243
Qy 84 CRARNFPAMRFGGRILY---SKTATEVDKRAMQLIKVLDTKRDESGIAFVGLDIEWRPSF 140
Db 244 LRSSNIPLSLAQVKQLENDSTTTVSLEQSKMKENKQQLQFGVWLLNSCDLAPT- 302
Qy 141 RGVLPQK---VATVQICVDSNYCDVMHIFHSGIPQSLQHLIE--DSTLVKVGIGIDGDS 195
Db 303 --AVIPRRIYARYVQVCADNNLAPVS-----PASFGKLVKILYPNITTRRLGMRQGS 353
Qy 196 VKLFHDYGVSIKQVEDL 212
Db 354 --KHYCGIKLTGDNM 368

RESULT 11
US-09-248-796A-18480
; Sequence 18480, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 18480
; LENGTH: 661
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-18480

Query Match 6.3%; Score 93.5; DB 4; Length 661;
Best Local Similarity 19.7%; Pred. No. 0.32;
Matches 71; Conservative 44; Mismatches 98; Indels 147; Gaps 14;

Qy 3 SNNWIDDAFTEELALDAIEASYNFSSSSSSAAAPTQVATTSVHGHEE----- 53
Db 107 NSNNNDNDNDVLLTKD-----NFSRSSGLSGSPGSKVRETSASSMAETSKARKKQK 160
Qy 54 --DB-----NOIPNNIRQLPRSTTSYKRPFLSRCRAENFPAM 92
Db 161 SAIDPITGEVNYELILNLPNFDMPYSQRKQVKFSFESIDYSQFSLF---AKNYLGS 217
Qy 93 RFG-----GRILYSKTATEVDKRAMQLIKVL 118
Db *218 SVGSAKTLKWSSSGCTGIASASSLSRRNRVGSNLNLAGRL-ARTSTTDFPKLQAMKP- 275
Qy 119 DTKRDESGIAFVGLDIEWRPSFRKGVLPQK---ATVQICVD----- 157
Db 276 KYNVDEKGAIVLGHLEL-----GKVGFGAWGTIRECTDQDQGTIRAIKVKST 323
Qy 158 -----SNYCDVMHIFHSGIPQSLQHLIESTLVKVGIGIDGDSVKLFH 200
Db 324 RDPGGPGCIANHSGNLNSKTDLTGSMKSKNPRVLEVPFKBIQIWK-----QLHH 373
Qy 201 DYGVSIKQVEDLSD-----LANQKIGD-----KKWGLASLTETLVC---KELLKPNRURL 248
Db 374 DNLPLDIYYETEDAIFCMNRINGTTLFEVVDWSGQFNARVNLICGLPLEYLFQQRHRL 433

RESULT 12
US-09-054-272-38
; Sequence 38, Application US/09054272
; Patent No. 6692909
; GENERAL INFORMATION:
; APPLICANT: Lander, Eric S.
```

```
; APPLICANT: Daley, George Q.
; APPLICANT: Cargill, Michele
; APPLICANT: Ireland, James S.
; APPLICANT: Rozen, Steven G.
; TITLE OF INVENTION: CODING SEQUENCE POLYMORPHISMS
; TITLE OF INVENTION: IN VASCULAR PATHOLOGY GENES
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FASTSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/054,272
; FILING DATE: 01-APR-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: WHI98-05
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 781-861-6240
; TELEFAX: 781-861-9540
; TELEX:
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2224 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; US-09-054-272-38

Query Match 6.2%; Score 93; DB 4; Length 2224;
Best Local Similarity 19.2%; Pred. No. 2.4;
Matches 58; Conservative 42; Mismatches 124; Indels 78; Gaps 11;

Qy 4 SNNWIDDAFTEELALDAIEASYNFSSSSSSAAAPTQVATTSVHGHEEDPNQIPNNIR 63
Db 126 ASYLDHTFPASKM--DDAVAPGREYTVESISDSGPT-----HDDPP--CLTHIY 172
Qy 64 RQLPRSTTSYKRPFLSRCRAENFPAMRPGGRILYSKTATEVDKRAMQLIKVLDTKRD 123
Db 173 YSHENLIEDFNSGLIGLPLICK-----GTLTEGGTQKTFDKQIVLLFAVFEDESK- 222
Qy 124 ESGIAFVGLDIEWRPSFR-----KGVLPQKVAIVQICVDSNYCDVMHIFHSGIPQSLQHL 178
Db 223 -----SNQSSSLMYTVNGYNGTWPDI TVCA-----HDHISHWLLGM 260
Qy 179 IEDSTLVKVGIGIDGDSVKLFHGYGVSIKQVEDLSDLANQKIGDKKWLGLASLT----- 232
Db 261 SSGPEL--FSHFNGQVLEQNHKKVSATLVSATSTTANMTVGPGEKWIISLTPKHLQA 318
Qy 233 -----ETLVCKELLKPNRIRLGNWEYPLSKQOL-QYAAT-----DAYASW 272
Db 319 GMOAYIDIKNCPKTRNLKKITREQRHRMKRWEYFAAEVEIVDYAPVIPANMDKKYRSQ 378
Qy 273 HL 274
Db 379 HL 380
```

## RESULT 13

PCT-US94-00198-4  
; Sequence 4, Application PC/TUS9400198  
; GENERAL INFORMATION:  
; APPLICANT: Schering Corp.  
; TITLE OF INVENTION: RAS Associated GAP Proteins  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Schering Corp.  
; STREET: 1 Girald Farms  
; CITY: Madison  
; STATE: New Jersey  
; COUNTRY: USA  
; ZIP: 94304-1104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: Macintosh  
; OPERATING SYSTEM: 6.0.8  
; SOFTWARE: Microsoft Word 5.1a  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US94/00198  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/004,824  
; FILING DATE: 15-JAN-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lunn, Paul G.  
; REGISTRATION NUMBER: 32,743  
; REFERENCE/DOCKET NUMBER: DX0352 PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (201)822-7255  
; TELEFAX: (201)822-7039  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3079 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; ORIGINAL SOURCE:  
; ORGANISM: Saccharomyces cerevisiae  
PCT-US94-00198-4

Query Match 6.2%; Score 93; DB 5; Length 3079;  
Best Local Similarity 19.3%; Pred. No. 4.1; Mismatches 112; Indels 84; Gaps 10;  
Matches 57; Conservative 43;  
QY 9 DAFTEELLALDAIBASYNFSSSSSSAAPTQATTSVHGHEEDPNQIPNNIRQLR 68  
Db 1976 DDFYKTFLLDDVLGQLGQPKWFSN-----EIPYIREHMDYPELYEFMNRHAF 2028  
QY 69 SITSTSY-----KRPPLSRCARNPFPMPFRGGRILYSKTATEVDKRAMOLIK-- 116  
Db 2029 NIETSTAYSPSVHSTSEGIPIITLTMSNF-----SDRHVDIDTVAYKFLQIY 2077  
QY 117 -----VLDTRDESGIAFVGLDIEWRSPFRKGLPGKVATVQICVDSNYCDVMHI 166  
Db 2078 ARIWTKKCLIIDCTEFDEG-----GLDMRKFTSLVWGLLP-EVAP-KNCIGCYFNVNET 2131  
QY 167 F-----HSGIPQSLQHLIEDSTLVKVGIGIDGDSVKLFPHDYGVSIKQVED 211  
Db 2132 FMDNYGKCLDKDNVYVSSKIPHYFINSNSDEGLMK-SVGITQGLKVLQDIRVSLHDITL 2190  
QY 212 LSDLANQKIGGKKWGLASLTETLVCKELLKPNRIRLGNWEPYPLSKQOLQVAATD 267  
Db 2191 YDEKENR-----FTPSLKGIDYFQVLHETPROYKIRD 2224

## RESULT 14

US-09-270-767-42422  
; Sequence 42422, Application US/09270767  
; Patent No. 6703491

## ; GENERAL INFORMATION:

; APPLICANT: Homburger et al.  
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster  
; FILE REFERENCE: File Reference: 7326-094  
; CURRENT APPLICATION NUMBER: US/09/270,767  
; CURRENT FILING DATE: 1999-03-17  
; NUMBER OF SEQ ID NOS: 62517  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 42422  
; LENGTH: 375  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
; FEATURE:  
; OTHER INFORMATION: Xaa means any amino acid  
US-09-270-767-42422

Query Match 6.2%; Score 92.5; DB 4; Length 375;  
Best Local Similarity 24.4%; Pred. No. 0.17;  
Matches 41; Conservative 24; Mismatches 48; Indels 55; Gaps 8;  
QY 56 NOIPNNIRQLPRSTTSSTSYKR-----FPLSRCARNPFPMPR-----FGGRIL 99  
Db 149 NQLNLSERTWTRE--SAVATKRWAILAAGVLVYVLRHRLLCPLRRVWSEG----- 202  
QY 100 YSKTATEVDKRAMOLIKVL-----DTRDESGIAFVGLDIEW-----RPSFRK 142  
Db 203 -----SLVPQRRIEIVNSVDPTTQWLVNLKLNHCQTEKVLGDFDCEWITVGSRRP----- 253  
QY 143 GVLPGKVATVQICVDSNYCDVMHIHF-SGIPQSLQHLIEDSTLVKVGI 189  
Db 254 -----VALLQLSSHGLCALFRLCMKQIPQDLRDLLEDDAVIKGV 295

## RESULT 15

US-09-328-352-4475  
; Sequence 4475, Application US/09328352  
; Patent No. 6562958

## ; GENERAL INFORMATION:

; APPLICANT: Gary L. Breton et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER  
; FILE REFERENCE: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS  
; CURRENT APPLICATION NUMBER: GTC99-03PA  
; CURRENT FILING DATE: 1999-06-04  
; NUMBER OF SEQ ID NOS: 8252  
; SEQ ID NO 4475  
; LENGTH: 481  
; TYPE: PRT  
; ORGANISM: Acinetobacter baumannii  
US-09-328-352-4475

Query Match 6.2%; Score 92.5; DB 4; Length 481;  
Best Local Similarity 21.5%; Pred. No. 0.25;  
Matches 46; Conservative 40; Mismatches 83; Indels 45; Gaps 8;  
QY 63 RROLPRSTTSSTSYKRPPLSRCARNPFPMPFRGGRILYSKTATEVDKRAMOLIKVLDTKR 122  
Db 142 RHRQLGVVAITPNWFLMTAVHIMPALR-AGNVLSKPSYETPLSTLRICEIIQQEV 200  
QY 123 DESGIAFY-----GLDIEWRSPFRKGLPGKVATVQICVDSNYCDVMHIHFHSGIPQSLQ 176  
Db 201 PAGVISIVVGAGEIGEALSSHPDQKVVFVFTGSTRGQ-----HIM-AGAAQQLK 248  
QY 177 HLI-----EDSTLVKVGIGIDGDSVKLFH-----DYGVSIKDV-----EDLS 213  
Db 249 HLTLELGNDAGIVLPDANIDEIADIFNMAFLNAGQTCALAKRLYVHESQYEALSQKLA 308  
QY 214 DLANKIGGKKWGLASLTETLVCKELLKPNRIR 247  
Db 309 DIANAQVVGDD---GNASSTTFGPVQNMQYKNVK 339

Search completed: July 11, 2005, 11:55:36

Mon Jul 11 14:08:14 2005

us-09-896-186c-24.ra

Page 7

Job time : 52 secs

**This Page Blank (uspto)**



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: July 11, 2005, 10:49:54 ; Search time 113 Seconds  
(without alignments)  
984.633 Million cell updates/sec

Title: US-09-896-186C-24

Perfect score: 1491

Sequence: 1 MSSSNWIDDAFTEBELLAID.....YASWLYKVLKDLPAVSGS 288

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1726218 seqs, 386331768 residues

Total number of hits satisfying chosen parameters: 1726218

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT NEW PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06 NEW PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06 PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07 NEW PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08 NEW PUB.pep.\*
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- 10: /cgn2\_6/ptodata/1/pubpaa/US09B PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09 NEW PUB.pep.\*
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- 21: /cgn2\_6/ptodata/1/pubpaa/US60 NEW PUB.pep.\*
- 22: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1491	100.0	288	10	US-09-896-186B-24
2	1439.5	96.5	313	9	US-09-906-226-50
3	1439.5	96.5	313	10	US-09-896-186B-2
4	676.5	45.4	290	9	US-09-906-226-16
5	666.5	44.7	268	15	US-10-424-599-227379
6	411	27.6	256	16	US-10-437-963-118286
7	372.5	25.0	257	16	US-10-425-115-268420
8	352	23.6	1405	16	US-10-741-601-299
9	352	23.6	1405	17	US-10-741-600-847
10	352	23.6	1406	16	US-10-741-601-300
11	352	23.6	1406	17	US-10-741-600-848

12	352	23.6	1432	10	US-09-896-186B-18	Sequence 18, Appl
13	352	23.6	1432	15	US-10-374-077-71	Sequence 71, Appl
14	352	23.6	1432	16	US-10-741-601-302	Sequence 302, App
15	352	23.6	1432	17	US-10-741-600-850	Sequence 850, App
16	352	23.6	1436	16	US-10-741-601-301	Sequence 301, App
17	352	23.6	1436	17	US-10-741-600-849	Sequence 849, App
18	330.5	22.2	643	9	US-09-906-226-49	Sequence 49, Appl
19	330	22.1	1401	15	US-10-374-077-206	Sequence 206, App
20	270	18.1	216	9	US-09-906-226-38	Sequence 38, Appl
21	254	17.0	234	9	US-09-906-226-14	Sequence 14, Appl
22	253.5	17.0	238	15	US-10-424-599-238476	Sequence 238476, A
23	249.5	16.7	210	15	US-10-425-114-37706	Sequence 37706, A
24	249.5	16.7	213	9	US-09-906-226-10	Sequence 10, Appl
25	248	16.6	200	16	US-10-425-115-188902	Sequence 188902, A
26	245	16.4	236	15	US-10-425-114-71107	Sequence 71107, A
27	238	16.0	197	9	US-09-906-226-12	Sequence 12, Appl
28	238	16.0	201	16	US-10-437-963-143533	Sequence 143533, A
29	236.5	15.9	234	9	US-09-906-226-4	Sequence 4, Appl
30	229.5	15.4	210	9	US-09-906-226-40	Sequence 40, Appl
31	229.5	15.4	211	16	US-10-437-963-145011	Sequence 145011, A
32	227	15.2	202	16	US-10-425-115-337105	Sequence 337105, A
33	227	15.2	210	16	US-10-425-115-337102	Sequence 337102, A
34	225.5	15.1	287	16	US-10-437-963-110472	Sequence 110472, A
35	218	14.6	201	9	US-09-906-226-2	Sequence 2, Appl
36	218	14.6	204	9	US-09-906-226-34	Sequence 24, Appl
37	218	14.6	204	16	US-10-425-115-247258	Sequence 247258, A
38	212	14.2	208	15	US-10-424-599-191095	Sequence 191095, A
39	191.5	12.8	571	9	US-09-906-226-42	Sequence 42, Appl
40	188	12.6	159	16	US-10-437-963-150626	Sequence 150626, A
41	188	12.6	205	15	US-10-424-599-229443	Sequence 229443, A
42	182.5	12.2	621	16	US-10-479-284-18	Sequence 18, Appl
43	181.5	12.2	572	9	US-09-906-226-32	Sequence 32, Appl
44	179.5	12.0	582	9	US-09-906-226-55	Sequence 55, Appl
45	179.5	12.0	582	10	US-09-896-186B-36	Sequence 36, Appl

ALIGNMENTS

RESULT 1  
US-09-896-186B-24  
; Sequence 24, Application US/09896186B  
; Publication No. US20030166227A1  
; GENERAL INFORMATION:  
; APPLICANT: Joshua Z. Levin  
; APPLICANT: Ken Phillips  
; APPLICANT: Greg Budziszewski  
; APPLICANT: Fred Meins  
; APPLICANT: Zhenya Glazov  
; TITLE OF INVENTION: Methods of Controlling Gene Expression  
; FILE REFERENCE: PB/5-31481A  
; CURRENT APPLICATION NUMBER: US/09/896.186B  
; CURRENT FILING DATE: 2002-04-04  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 24  
; LENGTH: 288  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
US-09-896-186B-24

Query Match	100.0%	Score 1491;	DB 10;	Length 288;
Best Local Similarity	100.0%	Pred. No. 2e-146;		
Matches 288;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MSSSNWIDDAFTEBELLAIDAEISYNFSSSSSSAAPTVQATTSSVHGHEEDNQIPN	60	
Db	1	MSSSNWIDDAFTEBELLAIDAEISYNFSSSSSSAAPTVQATTSSVHGHEEDNQIPN	60	
Qy	61	NIRQLPRSTTSSTSYKRFPLSRCRANFPAMRGGRIILYKTKATEVDKRAMOLIKVLDT	120	
Db	61	NIRQLPRSTTSSTSYKRFPLSRCRANFPAMRGGRIILYKTKATEVDKRAMOLIKVLDT	120	

QY 121 KRDESGIAFVGLDIEWRPSFRKGVLPKGVATVQICVDSNYCDVMHIFHSGIPQSLQHLIE 180  
DB 121 KRDESGIAFVGLDIEWRPSFRKGVLPKGVATVQICVDSNYCDVMHIFHSGIPQSLQHLIE 180  
QY 181 DSTLVKVGIGIDGDSVKLFHDYGVSIKDVEDLSLANOKIGDKKKGWGLASLTETLVCKEL 240  
DB 181 DSTLVKVGIGIDGDSVKLFHDYGVSIKDVEDLSLANOKIGDKKKGWGLASLTETLVCKEL 240  
QY 241 LKPNRIRLGNWEFYPPLSKQQLQYAATDAYASWHLYKVLKDLDPDAVSGS 288  
DB 241 LKPNRIRLGNWEFYPPLSKQQLQYAATDAYASWHLYKVLKDLDPDAVSGS 288

## RESULT 2

US-09-906-226-50  
Query Match 96.5%; Score 1439.5; DB 9; Length 313;  
Best Local Similarity 95.3%; Pred. No. 5.4e-141;  
Matches 281; Conservative 1; Mismatches 4; Indels 9; Gaps 1;  
GENERAL INFORMATION:  
APPLICANT: Butler, Karla  
APPLICANT: Cahoon, Rebecca E.  
APPLICANT: Rafalski, Antoni  
APPLICANT: Sakai, Hajime  
TITLE OF INVENTION: Plant RNased-Like Genes  
FILE REFERENCE: B1467 US NA  
CURRENT APPLICATION NUMBER: US/09/906,226  
CURRENT FILING DATE: 2001-07-16  
PRIOR APPLICATION NUMBER: 60/218993  
PRIOR FILING DATE: July 17, 2000  
NUMBER OF SEQ ID NOS: 57  
SOFTWARE: Microsoft Office 97  
SEQ ID NO 50  
LENGTH: 313  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
US-09-906-226-50

QY 121 KRDESGIAFVGLDIEWRPSFRKGVLPKGVATVQICVDSNYCDVMHIFHSGIPQSLQHLIE 180  
DB 121 KRDESGIAFVGLDIEWRPSFRKGVLPKGVATVQICVDSNYCDVMHIFHSGIPQSLQHLIE 180  
QY 61 NIRROLPRISITSSYKRFPLSRCAARNFPAMRFGGRILYSKTATEVDKRAMQLIKVLDLT 120  
DB 61 NIRROLPRISITSSYKRFPLSRCAARNFPAMRFGGRILYSKTATEVDKRAMQLIKVLDLT 120  
QY 121 KRDESGIAFVGLDIEWRPSFRKGVLPKGVATVQICVDSNYCDVMHIFHSGIPQSLQHLIE 180  
DB 121 KRDESGIAFVGLDIEWRPSFRKGVLPKGVATVQICVDSNYCDVMHIFHSGIPQSLQHLIE 180  
QY 181 DSTLVKVGIGIDGDSVKLFHDYGVSIKDVEDLSLANOKIGDKKKGWGLASLTETLVCKEL 240  
DB 181 DSTLVKVGIGIDGDSVKLFHDYGVSIKDVEDLSLANOKIGDKKKGWGLASLTETLVCKEL 240  
QY 241 LKPNRIRLGNWEFYPPLSKQQLQYAATDAYASWHLYKVLKDLDPDAVS 286  
DB 241 LKPNRIRLGNWEFYPPLSKQQLQYAATDAYASWHLYKVLKDLTNDLEAKIS 295

## RESULT 3

US-09-896-186B-2  
Query Match 45.4%; Score 676.5; DB 9; Length 290;  
Best Local Similarity 49.3%; Pred. No. 1.6e-61;  
Matches 139; Conservative 49; Mismatches 63; Indels 31; Gaps 6;  
GENERAL INFORMATION:  
APPLICANT: Joshua Z. Levin  
APPLICANT: Ken Phillips  
APPLICANT: Greg Budziszewski  
APPLICANT: Fred Meins  
APPLICANT: Zhenya Glazov  
TITLE OF INVENTION: Methods of Controlling Gene Expression  
FILE REFERENCE: PB/5-31481A

QY 121 KRDESGIAFVGLDIEWRPSFRKGVLPKGVATVQICVDSNYCDVMHIFHSGIPQSLQHLIE 180  
DB 121 KRDESGIAFVGLDIEWRPSFRKGVLPKGVATVQICVDSNYCDVMHIFHSGIPQSLQHLIE 180  
QY 181 DSTLVKVGIGIDGDSVKLFHDYGVSIKDVEDLSLANOKIGDKKKGWGLASLTETLVCKEL 240  
DB 181 DSTLVKVGIGIDGDSVKLFHDYGVSIKDVEDLSLANOKIGDKKKGWGLASLTETLVCKEL 240  
QY 241 LKPNRIRLGNWEFYPPLSKQQLQYAATDAYASWHLYKVLKDLDPDAVSGS 288  
DB 241 LKPNRIRLGNWEFYPPLSKQQLQYAATDAYASWHLYKVLKDLDPDAVSGS 288

## US-09-896-186B-2

Query Match 96.5%; Score 1439.5; DB 10; Length 313;  
Best Local Similarity 95.3%; Pred. No. 5.4e-141;  
Matches 281; Conservative 1; Mismatches 4; Indels 9; Gaps 1;  
GENERAL INFORMATION:  
APPLICANT: Butler, Karla  
APPLICANT: Cahoon, Rebecca E.  
APPLICANT: Rafalski, Antoni  
APPLICANT: Sakai, Hajime  
TITLE OF INVENTION: Plant RNased-Like Genes  
FILE REFERENCE: B1467 US NA  
CURRENT APPLICATION NUMBER: US/09/906,226  
CURRENT FILING DATE: 2001-07-16  
PRIOR APPLICATION NUMBER: 60/218993  
PRIOR FILING DATE: July 17, 2000  
NUMBER OF SEQ ID NOS: 57  
SOFTWARE: Microsoft Office 97  
SEQ ID NO 16  
LENGTH: 290  
TYPE: PRT  
ORGANISM: Glycine max  
US-09-906-226-16

## RESULT 4

US-09-906-226-16  
Query Match 45.4%; Score 676.5; DB 9; Length 290;  
Best Local Similarity 49.3%; Pred. No. 1.6e-61;  
Matches 139; Conservative 49; Mismatches 63; Indels 31; Gaps 6;  
GENERAL INFORMATION:  
APPLICANT: Butler, Karla  
APPLICANT: Cahoon, Rebecca E.  
APPLICANT: Rafalski, Antoni  
APPLICANT: Sakai, Hajime  
TITLE OF INVENTION: Plant RNased-Like Genes  
FILE REFERENCE: B1467 US NA  
CURRENT APPLICATION NUMBER: US/09/906,226  
CURRENT FILING DATE: 2001-07-16  
PRIOR APPLICATION NUMBER: 60/218993  
PRIOR FILING DATE: July 17, 2000  
NUMBER OF SEQ ID NOS: 57  
SOFTWARE: Microsoft Office 97  
SEQ ID NO 16  
LENGTH: 290  
TYPE: PRT  
ORGANISM: Glycine max  
US-09-906-226-16

QY 9 DAFTEEELLATDAIEASYNFSSSSSSAAAPTQVATTSVHGHEEDPNQIPNNIRROLPR 68  
DB 18 EPLTEDDLEATEA-----SLSNKKKP-----FNDHTHTP-----RRRLPK 53  
QY 69 SI-----TSSTSYKRFPLSRCAARNFPAMRFGGRILYSKTATEVDKRAMQLIKVLDTKR 122  
DB 54 SLIALQHPNASSPSPHP-RPCDSRMTLPVMKFSQISYRITFDAVEKAATKLLQLQLEKT 112  
QY 123 DESGIAFVGLDIEWRPSFRKGVLPKGVATVQICVDSNYCDVMHIFHSGIPQSLQHLIE 182  
DB 113 TDMQTAIGFDIEWKPTPRKGVPPKAVMQICGDTTRCHVHLHLSHGIPQNLQLLEBDP 172

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QY 183 TLVKVGIGDGSVKLFHDYGVSIKDVEDLSLANQKIGDKKWKGLASLTETLVCKELK 242
DB 173 TVLVKGAGIDGDAVKVFRDYNISVKGVTDLSFHANQKLGDDHKWGLASLTETLVCKELK 232
QY 243 PNRIKLGWFEYPLSKQOLQYAAATDAYASWHLYKVLKOLPDA 284
DB 233 PNRIKLGWFEYPLSKQOLQYAAATDAYASWHLYKVLKOLPDA 274

RESULT 5
US-10-424-599-227379
; Sequence 227379, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 227379
; LENGTH: 268
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_47352C.1.pap
US-10-424-599-227379

Query Match 44.7%; Score 666.5; DB 15; Length 268;
Best Local Similarity 51.1%; Pred. No. 1.6e-60;
Matches 134; Conservative 46; Mismatches 61; Indels 21; Gaps 5;

QY 29 SRSSSSSSAAPTVQATTSVHGHEDPNQIPNNIRRLQPLSI-----TSSTSYKRFPLSR 83
DB 6 SEASLSNNKRP-----FNDHTHP-----RRLEPSLIALQHPNASSFSHP-RP 50
QY 84 CSAR-NFPAMRFGGRILYSKTATEVDKRAMQLIKVLDTKRDESGIAFVGLDIEWRPSRK 142
DB 51 CDSRMTLPWKFSQGISYKRTFDAVEKAATKLLQILQKTTDMQTAIGFDIEWKPTFRK 110
QY 143 GVLPGKVATVQICVDSNYCDVMHIFHSGIPQSLQHLIEDSTLVKVGIGDGSVKLFHDY 202
DB 111 GVPYGGKAVMQICGDRHCHVLIHSHGIPQSLQHLIEDSTLVKVGAGIDGDAVKVFRDY 170
QY 203 GYSIKDVEDLSLANQKIGDKKWKGLASLTETLVCKELKPNRIKLGWFEYPLSKQOLQ 262
DB 171 NISVKGVTDLSPHAKQKLGDDHKWGLASLTETLVCKELKPNRIKLGWFEYPLSKQOLQ 230
QY 263 YAATDAYASWHLYKVLKOLPDA 284
DB 231 YAATDAFASWCLYQAIKOLPDA 252

RESULT 6
US-10-437-963-118286
; Sequence 118286, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
```

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; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 118286
; LENGTH: 256
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_21612C.1.pap
US-10-437-963-118286
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Query Match 27.6%; Score 411; DB 16; Length 256;
Best Local Similarity 37.2%; Pred. No. 6.2e-34;
Matches 103; Conservative 36; Mismatches 76; Indels 62; Gaps 7;

QY 9 DAFTEEELLAIATAEASYNFSSSSSSAAPTVQATTSVHGH-EEDPNQIPNNIRRLQPL 67
DB 27 DAAEAELOAIEAAAYAAAKRRRLPDWPSNPVTASASAGSCSPAPFPAP-----78
QY 68 RSITSSTSYKRFPLSRCAARNFPMRFGGRILYSKTATEVDKRAMQLIKVLDTKRDESGI 127
DB 79 ----SPAPFR-----GNVKARYQPM-FNGSIVYCTPSKVEKATDILCKIETMK-ASQ 128
QY 128 AFVGLDIEWRPSRKGVLPKGVATVQICVDSNYCDVMHIFHSGIPQSLQHLIEDSTLVKV 187
DB 129 VSLGFDLEWRPFR-----VQV 146
QY 188 GIGIDGDSVKLFHDYGVSIKDVEDLSLANQKIG-GDKKWKGLASLTETLVCKELKPNRI 246
DB 147 GICIDNDARKMFNDYDVHVQPLMDLSLANAKLGPFPKRWLSLASLTETMVTCRELPKPSNI 206
QY 247 RLGNWFEYPLSKQOLQYAAATDAYASWHLYKVLKOLPDA 283
DB 207 RMGNWEAYVLKQOLQYAAATDAYISWHLYEVLQSLPD 243
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RESULT 7
US-10-425-115-268420
; Sequence 268420, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 268420
; LENGTH: 257
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_1763C.1.pap
US-10-425-115-268420
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Query Match 25.0%; Score 372.5; DB 16; Length 257;
Best Local Similarity 38.5%; Pred. No. 6.4e-30;
Matches 92; Conservative 41; Mismatches 81; Indels 25; Gaps 8;

QY 5 NWIDDAFTEEELLAIATAEASYNFSSSSSSAAPTVQATTSVHGHEDPNQIPNN 61
DB 38 HW-DDA-AEAELOAIEAAAYASASAKRRRLPDWTSPP-----SPSYHLH-----81
QY 62 IRRQLPRISITSY---KRFPLSRCAARNFPMRFGGRILYSKTATEVDKRAMQLIKVL 118
DB 82 -RSQNPVSSGSTPSTLTPHTPDQNVARR-QQISFSGKIVYCTPTPEAKAATDILLKI 139
QY 119 DTKRDESGIAFVGLDIEWRPSRKGVLPKGVATVQICVDSNYCDVMHIFHSGIPQSLQHL 178
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Mulligan, John T.  
Schellenberg, Gerald D.  
TITLE OF INVENTION: ANTIBODIES AGAINST GENE PRODUCTS RELATED TO  
NUMBER OF SEQUENCES: 209  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: seed Intellectual Property Law Group  
STREET: 701 Fifth Avenue, Suite 6300  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104-7092  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION NUMBER: US/10/374,077  
FILING DATE: 25-Feb-2003  
CLASSIFICATION: <unknown>  
ATTORNEY/AGENT INFORMATION:

/ ATTORNEY/AGENT INFORMATION:  
 / NAME: Rosenman, Stephen  
 / REGISTRATION NUMBER: 43,058  
 / REFERENCE/DOCKET NUMBER: 100107.401D1  
 / TELECOMMUNICATION INFORMATION:  
 / TELEPHONE: (206) 622-4900  
 / TELEFAX: (206) 682-6031  
 / INFORMATION FOR SEQ ID NO: 71:  
 / SEQUENCE CHARACTERISTICS:  
 / LENGTH: 1432 amino acids  
 / TYPE: amino acid  
 / STRANDEDNESS: <Unknown>  
 / TOPOLOGY: linear  
 / SEQUENCE DESCRIPTION: SEQ ID NO: 71:  
 / US-10-374-077-71

Query Match	23.6%;	Score 352;	DB 15;	Length 1432;
Best Local Similarity	37.7%;	Pred. No. 1.1e-26;		
Matches	75;	Conservative 41;	Mismatches 75;	Indels 8; Gaps 3;
QY	88	NFPAMRFGGRILYSKTATVDXRAMQLIKVLDTKRDSEGI	AFVGLDIEWRPGRFKGVLP	147
DB	43	DIPLFLEFTGSIVSYSDASDCSFLSE-----DISMSLSDGDVV	GFDMFWPPLYNRKL-G	95
QY	148	KVATVQICVDSNYCDVMHIFHSGI-PQSLOHLIEDSTLVKVGIGIDGSDSVKVLPHDVGVS	I	206
DB	96	KVALIQLCVSESCKYLFHYVSSMSVFPQGLKMLLENKAVK	KAGVIEGDQWKLRLDPDIKL	155
QY	207	KDVEDLSDLANOKIGDGKWKGLASITETLVCKELKPNRI	LGNNEFYPLSKOOLQYAAT	266
DB	156	KNFVELTDVANKKUKCTETWSLNSLVKHLGLQLLKDKS	IRCSNWSKFFLETEDQKLYAAT	215
QY	267	DAYASWHLYKVLKDLDPDAV		285
DB	216	DAYAGFIYRNLEILDVT		234

RESULT 14  
US-10-741-601-302  
; Sequence 302, Application US/10741601  
; Publication No. US20040166519A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001500  
; CURRENT APPLICATION NUMBER: US/10/741,601  
; CURRENT FILING DATE: 2003-12-22  
; NUMBER OF SEQ ID NOS: 26415  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 302  
; LENGTH: 1432

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-601-302

Query Match      23.6%; Score 352; DB 16; Length 1432;
Best Local Similarity 37.7%; Pred. No. 1.1e-26;
Matches 75; Conservative 41; Mismatches 75; Indels 8; Gaps 3;

QY 88 NFPAMRFGGRILYSKTATVEVDKRAMQLIKVLDTKRDESGIAFVGLDIEWRPSFRKGVLP 147
Db 43 DLFFLEFTGSIVSYDASDCSFLSE-----DISMSLSDGDVVGFDMWPPLYNRGKL-G 95

QY 148 KVATVQICVDSNYCDVMHIFHSGI-PQSLQHLIEDSTLVKVGIGIDGSDVKLFHDYGVSI 206
Db 96 KVALIQLCVSESKCYLFHVSSMSVFPQGLKMLLENKAVKAGVGGEGDQWKLRLDFDIKL 155

QY 207 KVEDLSDLANQKIGDKKWLGLASLTETLVCKELLKPNRIRLGNWFEFPLSKQQLQYAAAT 266
Db 156 KNFVELTDVANKKLTCTETWSLSNLVKGHLKGQLLKDKSIRCSNNSKFPLTBDQKLYAAT 215

QY 267 DAYASWHLYKVLKDLDPDAV 285
Db 216 DAYAGFIIRNLEILDVT 234

RESULT 15
US-10-741-600-850
; Sequence 850, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 850
; LENGTH: 1432
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-600-850

Query Match      23.6%; Score 352; DB 17; Length 1432;
Best Local Similarity 37.7%; Pred. No. 1.1e-26;
Matches 75; Conservative 41; Mismatches 75; Indels 8; Gaps 3;

QY 88 NFPAMRFGGRILYSKTATVEVDKRAMQLIKVLDTKRDESGIAFVGLDIEWRPSFRKGVLP 147
Db 43 DLFFLEFTGSIVSYDASDCSFLSE-----DISMSLSDGDVVGFDMWPPLYNRGKL-G 95

QY 148 KVATVQICVDSNYCDVMHIFHSGI-PQSLQHLIEDSTLVKVGIGIDGSDVKLFHDYGVSI 206
Db 96 KVALIQLCVSESKCYLFHVSSMSVFPQGLKMLLENKAVKAGVGGEGDQWKLRLDFDIKL 155

QY 207 KVEDLSDLANQKIGDKKWLGLASLTETLVCKELLKPNRIRLGNWFEFPLSKQQLQYAAAT 266
Db 156 KNFVELTDVANKKLTCTETWSLSNLVKGHLKGQLLKDKSIRCSNNSKFPLTBDQKLYAAT 215

QY 267 DAYASWHLYKVLKDLDPDAV 285
Db 216 DAYAGFIIRNLEILDVT 234

Search completed: July 11, 2005, 12:05:10
Job time : 115 secs
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RESULT 1
US-09-896-186B-23
; Sequence 23, Application US/09896186B
; Publication No. US20030166227A1
; GENERAL INFORMATION:
; APPLICANT: Joshua Z. Levin
; APPLICANT: Ken Phillips
; APPLICANT: Greg Budziszewski
; APPLICANT: Fred Meins
; APPLICANT: Zhenya Glazov
; TITLE OF INVENTION: Methods of Controlling Gene Expression
; FILE REFERENCE: PB/5-31481A
; CURRENT APPLICATION NUMBER: US/09/896,186B
; CURRENT FILING DATE: 2002-04-04
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 23
; LENGTH: 1049
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-896-186B-23

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QY 61 TCAGCAGCGCTTTTACAGAGGAGAGCTTCTCGCTATCGAGCCCATCGAAGCTTCTCTACA 120
Db 61 TCAGCAGCGCTTTTACAGAGGAGAGCTTCTCGCTATCGAGCCCATCGAAGCTTCTCTACA 120
QY 121 ATTCTCTCCGGTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 180
Db 121 ATTCTCTCCGGTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 180
QY 181 CCGTCATGCGCAGCAGGAGGATCAAAATCAATCCCAATCAATATATATCGTCCGCAATTCG 240
Db 181 CCGTCATGCGCAGCAGGAGGATCAAAATCAATCCCAATCAATATATATCGTCCGCAATTCG 240
QY 241 CTCGTTTCCATCACTTCTCTCATCTTATAAGAGATTTCTCTCTCCCGTTCGCCGAGTGA 300
Db 241 CTCGTTTCCATCACTTCTCTCATCTTATAAGAGATTTCTCTCTCCCGTTCGCCGAGTGA 300
QY 301 GGAATTTTCCAGCAATGAGGTTTGGTGGTAGGATTTTGTATAGCAAGACTGCTACTGAGG 360
Db 301 GGAATTTTCCAGCAATGAGGTTTGGTGGTAGGATTTTGTATAGCAAGACTGCTACTGAGG 360
QY 361 TTGATAAGCGAGCAATGCAAGCTTATAAAGTTCTTGATACCAAGAGAGATGAATCTGGAA 420
Db 361 TTGATAAGCGAGCAATGCAAGCTTATAAAGTTCTTGATACCAAGAGAGATGAATCTGGAA 420
QY 421 TAGCTTTTCTGCTTGGATATTGAGTGGAGACCAAGTTTATAGAAAAGGTGTTCTCCCGG 480
Db 421 TAGCTTTTCTGCTTGGATATTGAGTGGAGACCAAGTTTATAGAAAAGGTGTTCTCCCGG 480
QY 481 GGAAGTTTGCAGCTGTCCAGATATGTGTAGATAGTAATTTATTTGTGATGTTATGCATATT 540
Db 481 GGAAGTTTGCAGCTGTCCAGATATGTGTAGATAGTAATTTATTTGTGATGTTATGCATATT 540
QY 541 TTCAATCTGGTATCCCTCAAGTCTCAACATCTTATTGGAAGATTCACACACTTGTAAAGG 600
Db 541 TTCAATCTGGTATCCCTCAAGTCTCAACATCTTATTGGAAGATTCACACACTTGTAAAGG 600
QY 601 TAGGTATTGGAATGATGTGACTCTGTGAAGCTTTCCATGACATGAGTGTAGTATCA 660
Db 601 TAGGTATTGGAATGATGTGACTCTGTGAAGCTTTCCATGACATGAGTGTAGTATCA 660
QY 661 AAGATGTTGAGGATCTTTTCCAGATTTAGCCAAACCAAAAAATTTGGTGGAGATAAAAAATGG 720
Db 661 AAGATGTTGAGGATCTTTTCCAGATTTAGCCAAACCAAAAAATTTGGTGGAGATAAAAAATGG 720
QY 721 GCGTTCCTCACTAAGTACAGACCTTTGTTGCAAGAGCTCTGAAAGAGCTCTGAAAGAGCTCA 780
Db 721 GCGTTCCTCACTAAGTACAGACCTTTGTTGCAAGAGCTCTGAAAGAGCTCTGAAAGAGCTCA 780
QY 781 GCGTTGGGAACCTGGAGTTTATCTCTGTCGCAAGCAGCTTACAATACGCAAGCAAGCG 840
Db 781 GCGTTGGGAACCTGGAGTTTATCTCTGTCGCAAGCAGCTTACAATACGCAAGCAAGCG 840
QY 841 ATGCTTATGCTTTCATGGCATCTTTTACAGGTTCTTTAAGGACCTTCTGATGCTGTGAGTG 900
Db 841 ATGCTTATGCTTTCATGGCATCTTTTACAGGTTCTTTAAGGACCTTCTGATGCTGTGAGTG 900
QY 901 GCTCATAGCGTGAAGAGAGAGCTTTAAGGTTAGCTTATACCCCAAGGTTAGCATCAA 960
Db 901 GCTCATAGCGTGAAGAGAGAGCTTTAAGGTTAGCTTATACCCCAAGGTTAGCATCAA 960
QY 961 ATGATATGATACACCTTAATCTAGTCAAGTAGATGCAATTTCTGTGAATATGCTATCTAGT 1020
Db 961 ATGATATGATACACCTTAATCTAGTCAAGTAGATGCAATTTCTGTGAATATGCTATCTAGT 1020
QY 1021 TCTGGTCCCTTTAACCGTCCAGAAACTAG 1049
Db 1021 TCTGGTCCCTTTAACCGTCCAGAAACTAG 1049
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RESULT 2

US-09-896-186B-1

; Sequence 1, Application US/09896186B

; Publication No. US20030166227A1

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; GENERAL INFORMATION:
; APPLICANT: Joshua Z. Levin
; APPLICANT: Ken Phillips
; APPLICANT: Greg Budziszewski
; APPLICANT: Fred Meins
; APPLICANT: Zhenya Glazov
; TITLE OF INVENTION: Methods of Controlling Gene Expression
; FILE REFERENCE: PB/5-31481A
; CURRENT APPLICATION NUMBER: US/09/896,186B
; CURRENT FILING DATE: 2002-04-04
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 942
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-896-186B-1
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Query Match 79.2%; Score 831; DB 10; Length 942;
Best Local Similarity 96.1%; Pred. No. 1.3e-227;
Matches 852; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

QY 42 ATGTCATCGTCAAAATGATCGACGAGCTTTTACAGAGGAGAGCTTCTCGCTATCGAC 101
Db 1 ATGTCATCGTCAAAATGATCGACGAGCTTTTACAGAGGAGAGCTTCTCGCTATCGAC 60
QY 102 GCCATCGAAGCTTCTTACAAATTTCTCCGTTCTTCTTCTTCTTCTTCTTCTTCTTCTGCTCG 161
Db 61 GCCATCGAAGCTTCTTACAAATTTCTCCGTTCTTCTTCTTCTTCTTCTTCTTCTTCTGCTCG 120
QY 162 ACCGTACAAGCTTACAACCTCGTCATGGCCACAGGAGGATCCAAATCAAAATCCCCAAT 221
Db 121 ACCGTACAAGCTTACAACCTCGTCATGGCCACAGGAGGATCCAAATCAAAATCCCCAAT 180
QY 222 AATATCCGTCGCCAATTCGCTTCCATCACTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 281
Db 181 AATATCCGTCGCCAATTCGCTTCCATCACTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 240
QY 282 CTCTCCGTTCCGAGCTAGGAATTTTCCAGCAATGAGGTTTGGTGGTAGGATTTTGTAT 341
Db 241 CTCTCCGTTCCGAGCTAGGAATTTTCCAGCAATGAGGTTTGGTGGTAGGATTTTGTAT 300
QY 342 AGCAAGACTGCTACTGAGGTTGATAAGCGCAATGCAAGCTTATTAAAGTTCTTCTGATACC 401
Db 301 AGCAAGACTGCTACTGAGGTTGATAAGCGCAATGCAAGCTTATTAAAGTTCTTCTGATACC 360
QY 402 AAGAGAGATGAATCTGGAATAGCTTTTGTGGCTTGGATATTGAGTGGAGACCAAGTTTT 461
Db 361 AAGAGAGATGAATCTGGAATAGCTTTTGTGGCTTGGATATTGAGTGGAGACCAAGTTTT 420
QY 462 AGAAAGGTGTTCTCCCGGGAAGGTTCCGACTGTCCAGATATGTTGATAGTAGTAATTAT 521
Db 421 AGAAAGGTGTTCTCCCGGGAAGGTTCCGACTGTCCAGATATGTTGATAGTAGTAATTAT 480
QY 522 TGTGATGTTATGCATATTTTTCATTTCTGATCCCTCAAGTCTCCACATCTTAATTCGA 581
Db 481 TGTGATGTTATGCATATTTTTCATTTCTGATCCCTCAAGTCTCCACATCTTAATTCGA 540
QY 582 GATTCAACACTTGTAAAGGTAGGATTTGGAATTTGATGGTGAATCTCTGTGAAGCTTTTCCAT 641
Db 541 GATTCAACACTTGTAAAGGTAGGATTTGGAATTTGATGGTGAATCTCTGTGAAGCTTTTCCAT 600
QY 642 GACTATGAGTATGATATCAAGATGTTGAGGATCTTTTCCAGATTTAGCCAAACCAAAATTT 701
Db 601 GACTATGAGTATGATATCAAGATGTTGAGGATCTTTTCCAGATTTAGCCAAACCAAAATTT 660
QY 702 GGTGGAGATAAAAAATGGGCTTGCCTCACTAAGTGAACACTTGTGTTGCAAGAGCTC 761
Db 661 GGTGGAGATAAAAAATGGGCTTGCCTCACTAAGTGAACACTTGTGTTGCAAGAGCTC 720
QY 762 CTGAAGCCAAACAGAAATCAGGCTTGGGAACTGGGAGTTTTATTCCTCTGTCAAGCAGCAG 821
Db 721 CTGAAGCCAAACAGAAATCAGGCTTGGGAACTGGGAGTTTTATTCCTCTGTCAAGCAGCAG 780
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Qy 882 CTTCTGTATGCTGTCTAGTGGCTCATAAAGAGGGAAGCTTAAA 928

Db 841 AAAAACCATTCTCTCACACTCAACGACCTTGAAGCAAAAATCTCACA 887

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; SEQ ID NO: 13
; LENGTH: 1170
; TYPE: DNA
; ORGANISM: GLI
US-09-906-226-15

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Db 709 AGACTGGGAAATTGGGAGGCTCCTGTTTGTCAAAGGAGCAACTAGAGTATGCTGCAACA 768

D<sub>b</sub> 769 GATGCTTTTGCTTCTTGGTGCTTTATCAGCGATTAAAGATCTCCGGACGC 821

OTHER INFORMATION: Clone ID: PAT\_MRT3847\_47352C.1  
US-10-424-599-84537

Qy 840 GATGCCTAATGCTTCATGGCATCTTTACAGGTTCTTAAGGACCTTCCGTATGC 892

db 816 GATGCTTTTGCTTCTTGGTGTCTTTATCAGGCGATTAAAGATCTCCGGACGC 868

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; SEQ ID NO 22
; LENGTH: 5765
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-600-22

Query Match      10.7%; Score 112.2; DB 21; Length 5765;
Best Local Similarity 54.1%; Pred. No. 1.1e-20;
Matches 272; Conservative 1; Mismatches 224; Indels 6; Gaps 2;

QY      396  GATACCAAGAGAGATGAATCTCGAATAGCTTTTGTGTGGCTTGATATTGAGTCGGAGACCA 455
Db      990  GATATTAGCATGAGTCTATCAGATGGGATGTGGTGGGATTTTACATGGAGTGGCCACCA 1049

QY      456  AGTTTTAGAAAAGGTGTCTCCCGGGAAGGTTGCGACTGTCCAGATATCTGCAGATATCTGTAGATAGT 515
Db      1050  TTATACAATAGAGGGAACCT--TGCAAAGTTGCACTAATTCAGTTGTGTGTTCTTGAG 1106

QY      516  AATTATTGTGATGTTATGCATATTTTT--CAFTTGGTATCCCTCAAAGTCTCCACAT 572
Db      1107  AGCAAAATGTTACTTGTTCACRTTTTCTTCATCTCAGTTTTCCTCCAGGATTTAAAAAATG 1166

QY      573  CTATTGGAAGATTCAACACTGTAAAGTAGGTAGTATTGGAAATTCATGGTACTCTGTGAAG 632
Db      1167  TTGCTTTGAAATTAAGCAGTTAAAAAAGCGCAGGTGTAGGAATTCGAAGAGATCAGTGGAAA 1226

QY      633  CTTTTCCTGACTATGGAGTTAGTATCAAAAGATGTTGAGGATCTTTCAGATTTTAGCCAAC 692
Db      1227  CTTCTAGGTGACTTTTGATATCAAAATTGAGAAATTTTGTGGAGTTGACAGATGTTGCCAAT 1286

QY      693  CAAAAAATTTGGTGGAGATAAAAAATGGGCGCTTCCTCACTAACTGAGACACTTGTGTTGC 752
Db      1287  AAAAGCTGAAATGYACAGAGACCTGGAGCCTTAAACAGTCTGTTTAAACACCTCTTTAGGT 1346

QY      753  AAAGAGCTCTGAAGCCAAACAGAAATCAGGCTGGGAACTGGGAGTTTTATCCTCTGTCA 812
Db      1347  AAACAGCTCCTGAAAGACAAGTCTATCCGCTGTAGCAATTTGGAGTAAATTCCTCTCACT 1406

QY      813  AAGCAGCAGTTCAAAATACGCAGCAACGAGTCTTATGCTTCATGGCATCTTTACAAGGTT 872
Db      1407  GAGGACCAAACTGTATGCAGCCACTGATGCTTTATGCTGTTTATTATTATTTACCGAAT 1466

QY      873  CTTAAGGACCTTCCTGATGCTGT 895
Db      1467  TTAGAGATTGTTGATGATACTGT 1489

RESULT 7
US-10-741-601-15
; Sequence 15, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001500
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 6428
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-601-15

Query Match      10.7%; Score 112.2; DB 19; Length 6428;
Best Local Similarity 54.1%; Pred. No. 1.2e-20;
Matches 272; Conservative 1; Mismatches 224; Indels 6; Gaps 2;

QY      396  GATACCAAGAGAGATGAATCTCGAATAGCTTTTGTGTGGCTTGATATTGAGTCGGAGACCA 455
Db      990  GATATTAGCATGAGTCTATCAGATGGGATGTGGTGGGATTTTACATGGAGTGGCCACCA 1049

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Db 1407 GAGGACGAGAACTGATGACGACCTGATGCTTATGCTGTTTATTTATTTACCGAAT 1466  
Qy 873 CTTAAGGACCTTCCTGATGCTGT 895  
Db 1467 TTAGAGATTTTGGATGACTGT 1489

## RESULT 10

US-10-741-600-20  
; Sequence 20, Application US/10741600  
; Publication No. US20050026169A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001499  
; CURRENT APPLICATION NUMBER: US/10/741,600  
; NUMBER OF SEQ ID NOS: 73997  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 20  
; LENGTH: 6431  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-741-600-20

Query Match 10.7%; Score 112.2; DB 21; Length 6431;  
Best Local Similarity 54.1%; Pred. No. 1.2e-20;  
Matches 272; Conservative 1; Mismatches 224; Indels 6; Gaps 2;  
Qy 396 GATACCAAGAGAGATGAATCTGGATAGCTTTTGTGCTTGGATTTGAGTGGAGACCA 455  
Db 990 GATATTAGCATGAGTCTATCAGATGGGATGTGGGATTTGACATGGAGTGGCCACCA 1049  
Qy 456 AGTTTGTAGAAAAGGTGTTCTCCGGGGAAGTGTGGACTGTCCAGATATGTGTAGTAGT 515  
Db 1050 TTATACAAATAGAGGAACT---TGGCAAGTTGCACATAATTCAGTTGTGTCTGAG 1106  
Qy 516 AATTATTGTGATGTATGCATATTTT---CATTTCTGTTATCCCTCAAAGTCTCCAAAT 572  
Db 1107 AGCAAAATGTTACTTGTTCACRTTCTTCCATGTGCTGTTTCCCGAGGATTTAAATG 1166  
Qy 396 GATACCAAGAGAGATGAATCTGGATAGCTTTTGTGCTTGGATTTGAGTGGAGACCA 455  
Db 990 GATATTAGCATGAGTCTATCAGATGGGATGTGGGATTTGACATGGAGTGGCCACCA 1049  
Qy 456 AGTTTGTAGAAAAGGTGTTCTCCGGGGAAGTGTGGACTGTCCAGATATGTGTAGTAGT 515  
Db 1050 TTATACAAATAGAGGAACT---TGGCAAGTTGCACATAATTCAGTTGTGTCTGAG 1106  
Qy 516 AATTATTGTGATGTATGCATATTTT---CATTTCTGTTATCCCTCAAAGTCTCCAAAT 572  
Db 1107 AGCAAAATGTTACTTGTTCACRTTCTTCCATGTGCTGTTTCCCGAGGATTTAAATG 1166  
Qy 573 CTTATTGAGATTTCAACACTTGAAGTAGTATTTGGAATTTGATGTTGACTCTGTGAAG 632  
Db 1167 TTGCTTGAATAAAGCAGTTTAAAGGCGAGGTAGGAATTTGAAGGAGATCAGTGGAAA 1226  
Qy 633 CTTTTCATGACTATGGAGTTAGTATCAAAAGATGTTGAGGATCTTTCAGATTTAGCCAA 692  
Db 1227 CTTCTAGTGACTTTGATATCAATTTGAGAAATTTTGGAGTTGACAGATTTGCCAAT 1286  
Qy 693 CAAAATAATGTTGAGATATAAATAATGGGCTTGCCTCACTAACTGAGACACTTGTTCG 752  
Db 1287 TTAAGAGCTGAAATGYACAGAGACCTGGAGCCTTAACAGTCTGTTTAAACACCTCTTAGT 1346  
Qy 753 AAAGAGCTCTGAAGCCAAACAGATCAGGCTTGGAACTGGAGTTTATCCTCTGTCA 812  
Db 1347 AAACAGCTCTGAAGCAGCAAGTCTATCGCTGTAGCAATTCGAGTAATTTCTCTCACT 1406  
Qy 813 AAGCAGCAGTTTACAATACGCAACGAGATGCTTATGCTTCAATGCGATCTTTACAGGTT 872  
Db 1407 GAGGACCAAGAACTGTATGCACCACTGATGCTTATGCTGTTTATTTATTTACCGAAAT 1466

## RESULT 11

US-10-741-601-17  
; Sequence 17, Application US/10741601  
; Publication No. US20040166519A1  
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001500  
; CURRENT APPLICATION NUMBER: US/10/741,601  
; CURRENT FILING DATE: 2003-12-22  
; NUMBER OF SEQ ID NOS: 26415  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 6521  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-741-601-17

Query Match 10.7%; Score 112.2; DB 19; Length 6521;  
Best Local Similarity 54.1%; Pred. No. 1.2e-20;  
Matches 272; Conservative 1; Mismatches 224; Indels 6; Gaps 2;  
Qy 396 GATACCAAGAGAGATGAATCTGGATAGCTTTTGTGCTTGGATTTGAGTGGAGACCA 455  
Db 990 GATATTAGCATGAGTCTATCAGATGGGATGTGGGATTTGACATGGAGTGGCCACCA 1049  
Qy 456 AGTTTGTAGAAAAGGTGTTCTCCGGGGAAGTGTGGACTGTCCAGATATGTGTAGTAGT 515  
Db 1050 TTATACAAATAGAGGAACT---TGGCAAGTTGCACATAATTCAGTTGTGTCTGAG 1106  
Qy 516 AATTATTGTGATGTATGCATATTTT---CATTTCTGTTATCCCTCAAAGTCTCCAAAT 572  
Db 1107 AGCAAAATGTTACTTGTTCACRTTCTTCCATGTGCTGTTTCCCGAGGATTTAAATG 1166  
Qy 573 CTTATTGAGATTTCAACACTTGTAAAGTAGTATTTGGAATTTGATGTTGACTCTGTGAAG 632  
Db 1167 TTGCTTGAATAAAGCAGTTTAAAGGCGAGGTAGGAATTTGAAGGAGATCAGTGGAAA 1226  
Qy 633 CTTTTCATGACTATGGAGTTAGTATCAAAAGATGTTGAGGATCTTTCAGATTTAGCCAA 692  
Db 1227 CTTCTAGTGACTTTGATATCAATTTGAGAAATTTTGGAGTTGACAGATTTGCCAAT 1286  
Qy 693 CAAAATAATGTTGAGATATAAATAATGGGCTTGCCTCACTAACTGAGACACTTGTTCG 752  
Db 1287 TTAAGAGCTGAAATGYACAGAGACCTGGAGCCTTAACAGTCTGTTTAAACACCTCTTAGT 1346  
Qy 753 AAAGAGCTCTGAAGCCAAACAGATCAGGCTTGGAACTGGAGTTTATCCTCTGTCA 812  
Db 1347 AAACAGCTCTGAAGCAGCAAGTCTATCGCTGTAGCAATTCGAGTAATTTCTCTCACT 1406  
Qy 813 AAGCAGCAGTTTACAATACGCAACGAGATGCTTATGCTTCAATGCGATCTTTACAGGTT 872  
Db 1407 GAGGACCAAGAACTGTATGCACCACTGATGCTTATGCTGTTTATTTATTTACCGAAAT 1466  
Qy 873 CTTAAGGACCTTCCTGATGCTGT 895  
Db 1467 TTAGAGATTTTGGATGACTGT 1489

## RESULT 12

US-10-741-600-21  
; Sequence 21, Application US/10741600  
; Publication No. US20050026169A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001499  
; CURRENT APPLICATION NUMBER: US/10/741,600  
; CURRENT FILING DATE: 2003-12-22  
; NUMBER OF SEQ ID NOS: 73997  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 21  
; LENGTH: 6521  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-741-600-21

Query Match 10.7%; Score 112.2; DB 21; Length 6521;  
Best Local Similarity 54.1%; Pred. No. 1.2e-20;  
Matches 272; Conservative 1; Mismatches 224; Indels 6; Gaps 2;

QY 396 GATACCAAGAGAGATCAATCGAATAGCTTTTGGCTTGGATATTCAGTGGAGACCA 455  
DB 990 GATATTAGCATGAGCTATCAGATGGGATGTGGTGGATTTGATCGAGTGGCCACCA 1049  
QY 456 AGTTTGTAGAAAAGGTGTTCTCCCGGGAGAGTGTGCGACTGTCCAGATATGTAGATAGT 515  
DB 1050 TTATACATAGAGGAACT---TGCAGAGTTGCACTAAATTCAGTGTGTGTTCTGAG 1106  
QY 516 AATTATTGTGATGTATGCAVATTTT---CATTCGTGATCCCTCAAAGTCTCAACAT 572  
DB 1107 AGCAAAATGTTACTTGTTCACRTTCTTCCATGTCACTTTTCCCGCAGGATTAATAATG 1166  
QY 573 CTTATTGAGATTCAACACTTGAAGGTAGTATTTGGAATTTGATGGTCTGTGAG 632  
DB 1167 TTGCTTGAATAAAGCAGTTAAAGGAGGAGTGTAGGAATTTGAAGGAGATCAGTGGAAA 1226  
QY 633 CTTTTCATGACTATGAGTGTAGTATCAAGATGTGAGGATTTTCAGATTTAGCCAAAC 692  
DB 1227 CTTTACGTGACTTTGATATCAATTTGAGATTTTGTGGATTCACAGATTTGCCAAT 1286  
QY 693 CAAAAAATGTTGGAGATAAAAAATGGGGCTTGCCTCACTAACTGAGACACTTGTGTC 752  
DB 1287 AAAAAAGCTGAAATGACAGAGACCTGGAGCCTTAAACAGTCTGGTTAAACACCTCTTAGGT 1346  
QY 753 AAAGAGCTCTGAAAGCAGTCAAGATCAGGCTTGGGAACTGGGAGTTTATCTCTGTCA 812  
DB 1347 AAACAGCTCTGAAAGCAGTCAAGATCAGGCTTGGGAACTGGGAGTTTATCTCTGTCA 1406  
QY 813 AAGCAGCTCTGAAAGCAGTCAAGATCAGGCTTGGGAACTGGGAGTTTATCTCTGTCA 872  
DB 1407 GAGGACCAAGACTGTATGAGCAGTCAAGATCAGGCTTGGGAGTTTATCTCTGTCA 1466  
QY 873 CTTAAGGACCTTCTCTGATGCTGT 895  
DB 1467 TTAGAGATTTGGATGATGACTGT 1489

RESULT 13  
US-09-896-186B-17  
; Sequence 17, Application US/09896186B  
; Publication No. US20030166227A1  
; GENERAL INFORMATION:  
; APPLICANT: Joshua Z. Levin  
; APPLICANT: Ken Phillips  
; APPLICANT: Greg Budziszewski  
; APPLICANT: Fred Meins  
; APPLICANT: Zhenya Glazov  
; TITLE OF INVENTION: Methods of Controlling Gene Expression  
; FILE REFERENCE: PB/5-31481A  
; CURRENT APPLICATION NUMBER: US/09/896.186B  
; PRIOR FILING DATE: 2002-04-04  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: Patent In Ver. 2.1  
; SEQ ID NO 17  
; LENGTH: 4299  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-896-186B-17

Query Match 10.6%; Score 111; DB 10; Length 4299;  
Best Local Similarity 54.1%; Pred. No. 2.1e-20;  
Matches 272; Conservative 0; Mismatches 225; Indels 6; Gaps 2;

QY 396 GATACCAAGAGAGATCAATCGAATAGCTTTTGGCTTGGATATTCAGTGGAGACCA 455  
DB 202 GATATTAGCATGAGCTATCAGATGGGATGTGGTGGATTTGACATGGAGTGGCCACCA 261  
QY 456 AGTTTGTAGAAAAGGTGTTCTCCCGGGAGAGTGTGCGACTGTCCAGATATGTAGATAGT 515

DB 262 TTATACATAGAGGAACT---TGCAGAGTTGCACTAAATTCAGTGTGTGTTCTGAG 318  
QY 516 AATTATTGTGATGTATGCAVATTTT---CATTCGTGATCCCTCAAAGTCTCAACAT 572  
DB 319 AGCAAAATGTTACTTGTTCACGTTTCTTCCATGTCACTTTTCCCGCAGGATTAATAATG 378  
QY 573 CTTATTGAGATTCAACACTTGTAAAGGTAGTATTTGGAATTTGATGGTCTGTGAG 632  
DB 379 TTGCTTGAATAAAGCAGTTAAAGGAGGAGTGTAGGAATTTGAAGGAGATCAGTGGAAA 438  
QY 633 CTTTTCATGACTATGAGTGTAGTATCAAGATGTGAGGATTTTTCAGATTTAGCCAAAC 692  
DB 439 CTTTACGTGACTTTGATATCAAAATTTGAAGAAATTTTGTGGAGTTGACAGATTTGCCAAT 498  
QY 693 CAAAAAATGTTGGAGATAAAAAATGGGGCTTGCCTCACTAACTGAGACACTTGTGTC 752  
DB 499 AAAAAAGCTGAAATGACAGAGACCTGGAGCCTTAAACAGTCTGGTTAAACACCTCTTAGGT 558  
QY 753 AAAGAGCTCTGAAAGCAGTCAAGATCAGGCTTGGGAACTGGGAGTTTATCTCTGTCA 812  
DB 559 AAACAGCTCTGAAAGCAGTCAAGATCAGGCTTGGGAACTGGGAGTTTATCTCTGTCA 618  
QY 813 AAGCAGCTCTGAAAGCAGTCAAGATCAGGCTTGGGAACTGGGAGTTTATCTCTGTCA 872  
DB 619 GAGGACCAAGACTGTATGAGCAGTCAAGATCAGGCTTGGGAGTTTATCTCTGTCA 678  
QY 873 CTTAAGGACCTTCTCTGATGCTGT 895  
DB 679 TTAGAGATTTGGATGATGACTGT 701

RESULT 14  
US-09-954-456-1131  
; Sequence 1131, Application US/09954456  
; Patent No. US20020115057A1  
; GENERAL INFORMATION:  
; APPLICANT: Young, Paul  
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc  
; FILE REFERENCE: 689290-76  
; CURRENT APPLICATION NUMBER: US/09/954.456  
; CURRENT FILING DATE: 2001-09-18  
; PRIOR APPLICATION NUMBER: US/60/233,617  
; PRIOR FILING DATE: 2000-09-18  
; PRIOR APPLICATION NUMBER: US/60/234,052  
; PRIOR FILING DATE: 2000-09-20  
; PRIOR APPLICATION NUMBER: US/60/234,923  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,134  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,637  
; PRIOR FILING DATE: 2000-09-26  
; PRIOR APPLICATION NUMBER: US/60/235,638  
; PRIOR FILING DATE: 2000-09-26  
; PRIOR APPLICATION NUMBER: US/60/235,711  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US/60/235,720  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US/60/235,840  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US/60/235,863  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 2276  
; SOFTWARE: Patent In version 3.0  
; SEQ ID NO 1131  
; LENGTH: 5189  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-954-456-1131

Query Match 10.6%; Score 111; DB 9; Length 5189;  
Best Local Similarity 54.1%; Pred. No. 2.4e-20;



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